

63

24



Red  
wax



Field station - Myrae

June 1st 9:00-4:00

60-70° clear

Grassy area by station 3-6

White-throats

2-3 Starlings 18 29

White Wagtails

7-8 Ring-necked Pheasants

Scarlet Rose Finch 3-4

6 Great + 1 Jack Snipe

Edge

Wood (conifer) edge 3-4 L. White-throats

Singing

2 ch. f. f. f. f. 3/7 Birch

12:00

~~Depart at 12:00 for 2:00~~

2 P. inornatus

2-3 Willow-t.

(all T. + Ch.)

2 Sparrow Hawk

on River 2 E. Widgeon

6-8 Mergansers

L.T. 111, 121

Mer-bills

Herby-bills



Tongue River 12:00 - 12:00

Airport

Scotch Pine woods in town

European Tree Sparrow

P. palmeri large in Birch within 1

White Warbler

Horned Lark (L)

E. crow

Black Kite (L)

W. Sea Eagle

Peregrine Falcon

Sparrow Hawk

Notes Trees mostly leafless ~

apparently bad weather

until 3 days ago - lot

P. palmeri 2 days ago

clear day, but clouds

collected in town P.M.

Burned Plot

P. palmeri

4/15 M spruce bark hole 2cm

10/15 M Pine 1 inch hole

mostly

C. B. Piper

P. F. M. M.

4/15 P. M. spruce bark hole  
sp. bark hole  
P. M. bark hole

C. B. Piper

5/15 M spruce

sp. bark hole, sp. bark  
sp. bark hole, sp. bark



Brambling 1

Ch. Thrush 3

Willow Tit 2

White-throats 3

E. Cuckoo 1

(O. Cuckoo)

S. Rhythrout

Fieldfare 3

Redwing 2

R. B. W.

Green L V C

S. Thrush C

Redwing (2) C

O. Cuckoo C

E. Cuckoo C

Brambling C

B. S. Thrush

L. L. Thrush

Fieldfare

L. Bunting

Redpoll (2) C

D. Thrush (3) C



L. 5 1.1

Redwing (3) e  
G. Warbler 1 e  
Brambling 1 e  
ch. Thrush 1 e  
L. Thrush e  
Robins (6)  
C. Wren sp.  
Nuthatch 2 e  
L. Wh. Thrush 2

---

Redwing 2  
L. Thrush e  
~~Yellow Warbler~~  
G. Warbler  
Brambling e  
R. Wren sp.  
Fieldfare ✓  
Nuthatch 2  
ch. Thrush  
Robins 2  
~~Robins~~  
(considered Th. 2 (11))



June 4

Trail To Birch Woods

Waterhens 1  
Crows 11  
~~Redpoll~~ 1  
Willow Tit 1  
~~Blue Jay~~ 1  
C. Crow 1  
Chickadee 1

Field Pt 2

Waterhens 1, 1  
(W. V. Tit)  
Pills Vireo (1)

(cont)

Pt 3

P. Warbler (3)  
P. Montanus (1)  
Waterhens (1)  
Bluebirds 1  
Redpolls (2)  
Crows 11

Pt 4

P. Montanus (1) 5 1  
E. Nuthatch 15  
P. Warbler 3.

P. Montanus 1

Pills Vireo 2

Redpoll 1

P. Montanus 5 (2)

P. Montanus 1

P. Warbler 2

S. Thrush

S. Thrush (murmurs)

~~Chickadee~~ 15 5 1

Prothonotary 3

Downy

★ RF Blue Tail of recent pasture

Empidonax-like

10/25m S. Rail

Long 0.5m

Long 1m

S. T. - 3-5m.



air (+)  
upstroke LM  
ten.

long  $\sim 0.5 \text{ m}$



Jan 5 Pelican Station

① Tests at 40 knots

Pell's Warbler

L. Whitethroat 2

E. B. Thrush

P. montanus 2

E. Nuthatch

② P. L. Warbler 2  
P. montanus 1  
(crowbill) 6 NS  
E. B. Thrush 1  
P. ? sp ① NS

3. P. montanus 1  
(crowbill)

P. montanus 1

~~E. B.~~ Thrush sp 1

Nuthatch 1

P. warbler 1

④ P. montanus 25  
Brambling 1 NS  
P. montanus 1 Kill  
P. Warbler 15, 15  
E. B. Thrush 15

Trail to Burr PMS

↖ Tars of 25 in Cedar-Aspen

1/8/20/20 Aspen

3m Plot + kg 1b

①  
~~1~~ (feather in target)  
C



Burns have ~~pin~~ till level +

Apn with drink no shrub

lyer - partially s.

White Spruce has big hollow

shape - like N. Am spruce

character

① 7/7  
① 4:06

clear (clear) 3

at 1/3

Y. B. Bunting 1

ch. flicker 1

A. red-bellied 1

L. white-throat

→ ①

Pallas' Warbler

P. Montanus 1

+ 1

603

②

4:13

ch. flicker 1 1

P. Montanus ① 1

+ 1

Pallas' Warbler

604

③

4:20

Pallas' Warbler 1 1

P. Montanus 1 1

605



# Flood Plain forest

Willow thrush

P. Warbler

0.1M / 6m

Wren

2m

Arctic Warbler

5/7m low willow gl.

close →

# 6/6 Flood plain

Willow Tit

L.T.T.T.

L. Spotted Woodpecker

Sp. Thrush

P.T. Snipe

Woodcock

G. Snipe

C. Snipe

Green Snipe

C. Snipe

L. White Thrush

P. Warbler

Y. B. Warbler

Ch. Warbler

G. Warbler

Will Warbler

Dark Warbler

Arctic Warbler

S. Rubythroat

R. B. Flycatcher

R. Rubythroat

Blackthroat

S. Green Thrush

Red-wing

Black + Grey Thrush

Fieldfare

Chaffinch

Brambling

Y. B. Bunting

Belted

Redpoll

Crowbill

R. B. M. Thrush

Tree Creeper

7pp.



7/7

X (2)

(4) 4:28

Pallas' Warbler	1	4	1
Bulfinch			1
Willow Tit			R

606

Left for 1 350°

(5) 4:43 L. Wh. Warbler 1

Ornate Warbler	1	
Pallas' Warbler	1	
R.F. Alcedo	1	
R. Pipit		1

607

(6) 4:51

Greybreast Thrush	1	
R.F. Alcedo	1	
Ornate Warbler	2	
Pallas' Warbler	1	
R. Pipit		1
B. n. sp.	1	

608

(7) 5:08

RT Robin (1)  
 D. n. sp. 1  
 S. heron Thrush  
 (C. n. sp. 2)  
 (R. Pipit 5)  
 Willow Tit 1  
 R.F. Alcedo

X (3)

→ (1)

609

80° for 97 ~ to trail  
 (260)

61

8 5:23

R.F. Alcedo	(1)
P. Warbler	1
O.B. Pipit	(2)
LT Tit	

(610)

(1) Seen  
 (2) Seen NOT heard

9 5:35

B.F. Alcedo	1
R.T. Robin - 1. Warbler	1
B. n. sp.	1
S. h. ;	
Willow sp	
Pallas' Warbler	1

611

(1)



(10)  
543

oriental cuckoo 1  
P. montanus 1  
B. n. bl. 1  
Pill. Warbler 1

(1)  
1

612

(4)

12  
610 6

Pello Warbler 1  
L. Whitthroat 1  
N. Thrush 1  
(Redpoll 3 2)  
Eye-brow Thrush 1

2 )  
1

611

13 - R. B. Flycatcher 1  
Redpoll 1 615

(with gully of Lindas Spring  
in Bay

6122

Eye-brow Thrush 1 615

(Grasshopper)

Pills Warbler 1

Willow T. (all) 1

R. Flycatcher

1 call

11  
5:55

Eye-brow Thrush 1  
Oriental Cuckoo 1  
Pill. Warbler 2  
(Grasshopper)  
(Redpoll)

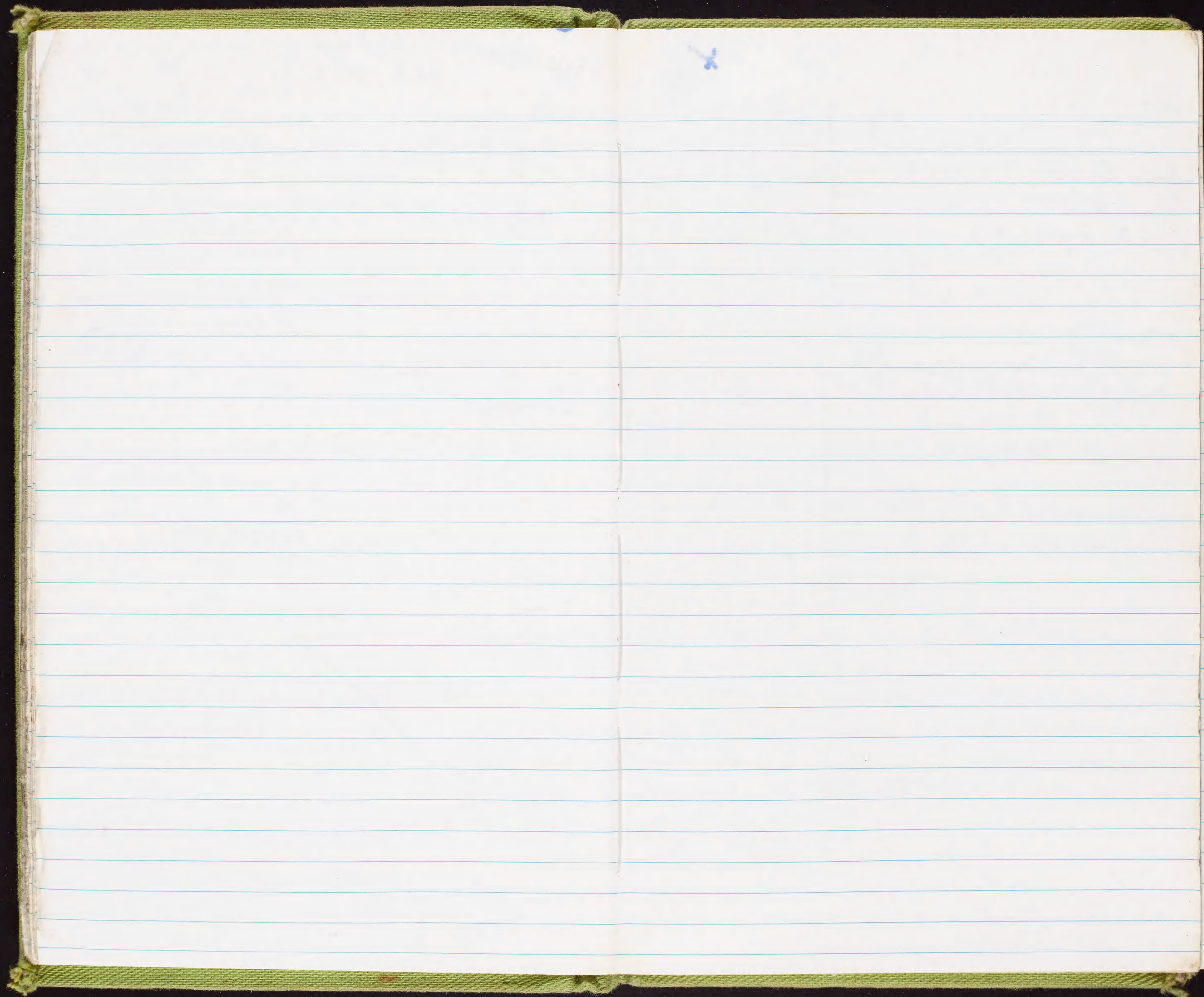
2 )  
2 )

613











019

✓ (8)

9 <sup>A 10</sup> Buh 27 m gr 30 dural  
40 left  
80 furs  
100 m 21



- Pt 16 Aspen  
 Birch - Spruce wood  
 80 Birch 10 spruce 40% open  
 1. A, 25m, 60% fir, 10% plant 30%  
 55m Birch 8 10 20 spruce  
 70% 11, 20m, 15% birch 5% plant  
 2. Asp 27, 30m, 70% fir, 15% spruce, 20% plant  
 3. Asp 20m 70% fir 10% spruce  
 25% plant 10% moss  
 4. 100% spruce 10% fir  
 (bag)  
 5. 40% spruce 30% fir  
 10% plant  
 30% Birch  
 6. 70% dead grass  
 B 18, 25m 10% fir 10% spruce  
 Aspen  
 50% Birch, 20% fir 30%  
 14- Birch 10% spruce 10% open  
 1- B 27m 10% spruce  
 60% 30% birch  
 2. S, 4, 6, 8 Aspen 20  
 70% fir 20%  
 3. A 10, 12 10% fir 80%  
 40 80% fir Aspen 15, 18  
 70% fir 20% birch

5% fir 80% 24m Aspen  
 6 60% fir 10% spruce  
 Aspen 10, 10, 10, 12 18, 20

- 7 7, 10, 11 spruce 70% fir 10%  
 30% plant  
 8 80% fir 10% spruce 20%  
 9 ?

13. Aspen with spruce  
 45% Aspen 10% spruce  
 40% open 50% spruce

1. A - 18m 70% fir 10%  
 2. A 8, 9m 10% fir 20% fir  
 3. Sp 3, 5m 50% fir, 20% plant  
 moss  
 4. Aspen 14, 16m 70% fir 10%  
 20% plant  
 5-0 70% fir, 20% plant  
 6. Sp 5, 7 Aspen - 20, 22, 25  
 50% fir, 40% moss  
 7. Aspen 20m 10% fir 70%  
 8. Spruce 8, 15m (2)  
 60% fir, 30% moss  
 9. Asp 25, 26m 70% fir 10%



12 Birch with spruce canopy

2000 BUL

550 Pine

550 Birch

600 spruce

1 0, 60 lat 400 moss

2 0 60 moss, 30 lat

3 0 60 lat, 20 plat moss

4 0 50 lat, 50 moss

5 Birch 20 ~  
70 lat

6 0

2 400 moss

60 BUL

8 L-30m

60 lat 20 plat 10 moss

9 0 60 lat 30 moss

614

Tanager 9

7/10m spruce, 25m moss  
2m Pine → 100m spruce  
A-165m  
1m @ pillar

11 Birch, spruce lat, spruce canopy

1. lat 12, 13, 15, 18, 25m 50 LL, 20 plat

2 0 20 lat, 50, plat 10, moss 20 moss

3 0 70 lat, 10, moss, 10 plat

4 Pine 10m 50 moss, 20 plat

5 B/5m 70 lat, 20 plat

6 B/3, 15m 70 lat 20 moss

7 0 60 lat, 20 moss

8 0 30/0 and lat 30 plat

9 B 25 600, 20, plat

613

10 Birch (some spruce) spruce canopy

1-

2-0 60 lat, 30 moss

3 0 70 lat, 20 moss

4 0 18, 10, 50 lat, 30 moss

5 0 30 lat, 50 moss

6 B-18 M 50 lat, 20 moss, 20 plat

7-0 50 lat, 20 moss

8 S 6, 7 m 50 lat, 20 plat

9-0 60 lat, 20 plat

612

9 Birch spruce, pine

40% Birch 10% spruce

1 B-10, 15m 550 Birch, 450 spruce

2 0 30 lat, 20 plat

3 B 10m, L-20m 600 lat 20, moss

4 L 20m, pine 1m 600 plat 40 moss

5 B 0-0 70 moss, 20 shrub

6 Spr 7m 50 plat, 20 plat 20 moss

7 0 20 spruce 20 plat

8 0 60 lat, 30 moss

9 0 70 lat, 20 moss

10

Tanager 9 12/25m/25m BUL  
B 4m up spruce BUL  
1 density

Tanager 12/20 m - B 0 density



R.B. flycatcher in common  
around but scarce in forest

8, 10: 60  
Bald 20 moss  
20m long

Birch, spruce

40% Birch 30 spruce  
40% open

24 m pine 30 ell, 40 moss, 10 plat

3. 0 70% ell 10 plat

4 27-Aspen 70 lat, 20 mossy

5 0-50 lat, 50 moss

6 0 30<sup>ell</sup> 50 moss

7 spruce 10m 70 lat 100

8 - 0 50 lat 100

1 4m Alar  
30 lat 100  
40 moss

610

R. montanus 6m / 10m / 30m

Trunk (birch bark)

Kangaroo  
the pine branch given

(1) foliage

R.B. flycatcher by lake

12/15/22

hour 3m x 2

Spruce flycatcher

~~12/15/22~~

Alder the + up part

30% Alder 30% spruce

20% Birch 20% open

09  
610

0 - wet 100% ground

sm(3) 7(3) Alder

1 15m ell swampy ground

2 20, 21, 23 Birch 50 lat 100

3 20, 23, 24, 25 = Birch 80 lat 100

4 Spruce 6m - 80 lat 100

5 Spruce 18m

6 Birch? 10, 12m Swampy ground

7 0 - birch on lake ground

8 25, 26, 27 Birch - swampy ground

6) Aspen - spruce / spruce 27m long  
40% Birch 30 spruce, 30% open

1. 0 B 24, 25, 26

80 lat 100

2 B 26, 27 70 lat 100, 20 moss

3 S A 10, Birch 15, 20, 22 50 lat 100

4 B 23, 25, 26 70 lat 100

5 Spruce 14m 70 lat 100

6 0 80 lat 100

7 20, 23, 24, 25 B 80 lat 100

8 20, 22 Aspen 80 lat 100

9 Pridham 10m

f Spruce - Birch 40% spruce 30% Birch  
30% open 25-30m

1 - 8m spruce 25m Birch  
50 lat 100, 30 plat

2 15m Birch - 50 lat 100, 20 plat

3 Spruce 16m 50 lat 100, 40 moss

4 24, 25m Birch 50 lat 100, 20 plat

5 15m Birch 70 lat 100, 20 moss

6 10, 20 Birch 40% Birch 10% 40m

608



7 0 70 Dullness  
20 min

(16)

8 80 60 lines 20 moss

9 Sp. 10, 12, 13, B, 23, 25

(4) Spruce Pine Aspen 10-15 m (100)

0 - 30 needles 50 moss

0 60 lines 20 moss

L. 15, 18, 20 40 moss 20 plants

0 60 60 lines 20 plants

0 90% moss

0 90% moss

Sp 8, 9, 15, 16 60 9. moss 20 plants

20 m Birch 50 all 30 moss

(3) Spruce-Pine 1 12 m (100)

40% sp 30 2 Pine, 25 Birch 28 50 moss

1 0 70 lines 20 moss

2 - 6, 8, 10 Birch 20 lines 50 moss

3 0 - 70 lines, 20 moss

4 0 60 moss 30, 100

5 10, 13, 13 Spruce 60% due lines  
30 moss

6 0 50-shrub shrubs (hanging)  
0.1 m-shrub shrubs

7 0 - 30 shrub 70 moss

(60)

8 3 m Alder 70 1 m Alder  
10 moss

9 0 - 70 Alder, 20 moss

2 Alder 4 m

Pine - Birch 40% Pine 10% spruce  
20% spruce

1 Alder 4 m 60 lines 30 moss

2 Alder 6, 7 m 70 lines, 20 moss

3 0 70 lines 20 moss

4 0 70 lines, 10 grass

5 0 70 lines 10% plants

6 0 80% shrub 20% moss

7 Pine 2 m 10% 60-100 m  
80% shrub

8 0 - 60 70% moss  
20 moss

9 6 m Pine 40% spruce

(60)

1 Pine Birch spruce 15 m (100)

40% Pine 20% Birch 10% spruce

0 - 30, 50, 50 moss

0 50% needles, 50% moss

20% spruce

B 10, 13, 15 m 80% spruce

S. 12 m 30% Birch 70% needles

0 - 100% grass



(18)

① 0 00 1000 1000

② 6, 8, 10, 12 5 piece  
000 1000 1000 1000

③ 8, 9 B. 100 1000 20 1000

④ 10, 12 100 100 100 1000

7/8 Oplera Park Teige

(19)

p-1 1 615

R. 1140 1

Pills Wabber ④ 1

Willow Tit 1

B. 1000 1

p-1

620

1

p-1 ② 620

621

Pills Wabber 2

[Pills Wabber]

p-1 ③

636

622

Pills Wabber 1, 1

B. 1000 1

M. 1000 1

[S. 1000 2 1]



x  
(20)

Pt 4 646

Picus montanus 2  
C 2 Redpolls

623

unknown song

~~chirp chirp~~ ~~~~~

Polly W. 11  
Arctic W. 1  
R. B. Flycatcher 1

Pt 5 658

624

P. montanus 2 (1)  
Polly W. 2  
Brambling 1  
E. Nuthatch 1  
Sage 1

✓  
(21)

Pt 6 708

Polly W. 11  
P. montanus 1

625

More song 45° - lost + tail

Pt 7 723

Polly W. 1  
P. montanus 1

626

Pt 8 735

Polly W. 2  
Arctic W. 1

(Black Woodpecker)

627

Pt 9 748

S. brown Thrush 1  
~~Song Sparrow~~ 1  
Black Woodpecker 1

628

P. montanus  
P. W. 1



pt 10 - 8:15

(22)

815 Eyebrowed Thrush 1  
 P. W. Warbler 1  
 Siberian Flycatcher 1  
 E. W. W. Thrush 1

629

(1) NS

not  
 2000

830 pt 11

Eyebrowed Thrush 1  
 P. W. Warbler 1  
 Arctic Warbler 2  
 P. W. Warbler 1  
 P. W. Warbler 1

630

12 - 8:00

O. B. P. L 1  
 P. T. Thrush 2  
 E. W. W. Thrush 1  
 C. W. W. Thrush 1  
 W. T. Warbler ①  
 P. W. Warbler ①  
 P. W. Warbler 1

631

Hub. tot

(23)

12 Pine - Birch with spruce understory  
 20-25 m

40% Pine 20% spruce 70% spruce  
 5% Birch 3% shrub

80 moss  
 20 lichen  
 10 50 logs

631

1.0

2. P = 20 m

3.0

4.0

11 - Pine - Larch - Aspen

20-25 m

25% L. Pine  
 5% Larch  
 10% 70% Aspen  
 5% Pine

630

4.0 60% open

2.0

3.0 Larch 30 m

10 70% Larch 70% spruce 30% Birch 629

83% open spruce understory

Sp. 5, 5, 5, 7, 9

Birch 18, 19, 23

Birch 8 m

Sp. 5, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

Sp. 6, 15



(24)

9 25% pine  
5% spruce  
5% birch  
6% open 25-30 m  
80% moss (25% - 5% spruce)

628

Spruce 4m  
open 0  
0  
0  
Pine 5, 7, 4, 20

8 - 25% spruce 25% pine  
5% birch  
45% moss 30m  
60% moss 30% needles  
5% log 2% grass

627

1. S - 10m
2. F - 2
3. P - 15, B - 20
4. 0
5. 0
6. Aspen 18m

7 ? 50% Pine 5% Birch 45% open 20% wet  
25% moss 30% needles  
4% log 2% grass  
20% wet  
30% moss  
etc.

1. 0
2. 0
3. 20-Birch

62

(25)

x

4-0

Evenly mixed

10/12 1/2 Birch bark glen  
(trunk)

6

625

0 20% Pine 5% spruce 5% Birch  
spruce 20m mossy  
Pine

60% moss 25% shrub  
20% needles

0  
L 12, 5, 15

0  
P 8, 8.5, 9, 10, 15  
0

P. Menth. 10/17/14 Birch trunk  
bark glen

P.M 2 10/25/25 bark glen  
Pine  
AB - 2 birch

P. P. 30m Pine



P. prunellus lye or m  
glc-prunellus  
lye & bich

23/2m 3 filae

C Zone

Pt 5 20% Luch 20% p. 35m  
20% Birch (large)  
with small sprouts

d

11 m Luch

d

Spruce bar

d

Eucalyptus 10/25m  
birch bark glen

~~P. prunellus 10/30 Birch, pine  
glc mossy twig x 4  
B-2 bark x 1~~

P. prunellus 25/27m p. 0  
(4) bark gl pine needles x 4

12/35 tree (27)  
Pine needle (C) - bark  
green purple 3 filae

Tailor - bark brush slen  
8/30m

Pt 4 15 Luch  
15 Pine 5 Birch 30m long  
glc under  
70 m - 50% bark 10 Luch

Aspen 10m

0

0

0

0

Pt 3 20 Pine 10 Birch (622)  
2 spruce  
80% moss - 60% bark  
spruce under

0, 0

Pine 6, 8m  
0



AP Montano

6/11 m

spice  
birch bark etc

hull ④

④ - 3 km only

Georgy had 20/20 Pine  
to put

(28)

2 Skipped on - around 7  
I think

(621)

pt 1

10% spruce

1.5% Pi

5% herb

5% Bark

50 mm

30 sap

20 shrub

(620)

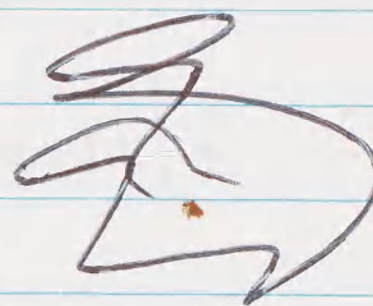
6 Pine

○

○

7/9 - Foraging Octo  
in Taije

Birch / Pine / Spruce



W. th  
chickadee

6/8/16 m

spice needle glen, tussock

④ 2-F

↓  
birch 14m tussock

P. pruvoti

18/20 pine

"

" "

20/20 spruce sap 5m  
th. fl.

E. Nuthall

10/20m pine bark peck

P. montano

Aspen 10/22m

④ 2F

↓  
pine bark gl, needle gl  
bark gl

Aspen bark - actual

P. Montano

5/10 Pine / 20 ring

lichen-bark gl, pine needle gl

Spruce bark gl, trunk-bark gl

④ ①



Willow 5A • ~~Dead tree stem~~  
~~branch & prob. lvs~~

~~6/8m 10/10m~~

8/15m

~~pine tree stem~~  
✓ C 1F  
B 2F

~~Lesser White throat 15/17 spruce~~  
P

~~↓ 20/32 Birch~~

~~C 3F 1-yr " x 2 fol. Birch~~  
~~51 spruce~~  
~~upward spruce 6" spruce~~

Grass - Ld-

Procyon 30/30 Birch B 2F  
no foraging in 10 min. or  
singing

7/10

(29)  
Left Birch Point

Ground Pond edge approx 5 Flys

615 S. Rubythroat (1) 1  
chiffchaff (1)  
Brambling 1 call  
P. virens 1  
Arctic Warbler (1) 1  
Siberian Thrush 1  
Y.B. Bunting 1  
Fieldfare 2  
Oriental Cuckoo 1  
Redwing? 1  
Green Sandpiper 1  
Cuckoo sp. 1

632

628: Oriental Cuckoo 1  
Fieldfare call  
Siberian Thrush (1)  
chiffchaff 1  
Arctic Warbler 1 (2, 1)  
Common Sandpiper 1  
S. & Y.B. Bunting 1  
(C. Lark)  
Arctic  
Siberian Rubythroat 1  
Brambling 1  
Redwing 1

633

(2)



P 3

6:40

ch. titmouse (1)	
Oriental cuckoo (1)	
Acute Warbler (2) - coll	2
Fieldfare - coll 2	
S. horizon thrush (1) - seen	(1) - seen
Blue-throat	1
Green-Swallow?	1
L.L. Titmouse	1

Finished  
 wh. titmouse  
 5/8 m/8 m willow

C - 2 F

1 + 5  
 1 b 5  
 100 sl 6"  
 1 b 1 1000 break

d. titmouse T/10 10 willow 0.5 m bar  
 will 1 + 5 x 5 C 2-F

(30)

634

Plant Plan

(31)

Acute Warbler

kg 7' Alder 1b  
 1'  
 30 kg 2'

.5/6 m Alder  
 IF C 0.5 m

Willow T. Alder 1b kg 5/8 m

Vegetation  
 Pl 1 30% Alder 60% herbs  
 40% willow 30% deciduous  
 30% tree 10% wet area

8 m Alder, 0.1 x 2 shrub  
 8, 12 m willow

632

Pt 2 Alder shrub

60% 10% willow

20% water 50% deciduous 30%  
 living

0 Alder 1-4 m  
 0 3, 6, 7, 9, 10 m Alder  
 Alder shrub 8, 10

(33)







look within eye

♀ 4B anting ±/5m

1+ gl x 2

C

Ch. K. ch. 11/12m with

gl. 1/10m

0.5m

C 2m

Nw from station

W. 11/12m T. 1

Floral pin 3m/6m

hang up on 10m

with 10m - get small bird

object 10m - 10m 10m

A 2 foliage

P. 10/12m

10/12m

10/12m

10/12m

2m 10m 2m B (2)

P. 10/12m 5/10m

10/12m B 2F 10/12m

10/12m

10/12m 10/12m 10/12m

P. 10/12m ±/8/10

10/12m

10/12m 10/12m 10/12m 10/12m

10/12m B 2F



P. ... 3  
 6/10 ...  
 1b B 2F  
 1/2 ...  
 0.7 ...

P. 3  
 5/8 Willow ...  
 1.5 ...  
 1.5 ...  
 1.5 ...  
 B 2F 10m  
 Willow ...

10/12 m C 3f

1 Sp. ...  
 Alder ...  
 3m branch

A. ... B. 3  
 6" lg  
 B 3f  
 1m ...

White ...  
 14/15 m B. ...  
 no ...

P. (all T. +)  
 9/25 m B. ...  
 1/2 ...  
 Branch ...  
 1m ...

March 1.1 16/218 ...  
 1/2 ...  
 1m ...

P. ... 22/25 ...  
 no ...

Tree had 2 Greenish ...  
 This morning - ...  
 have been ...  
 in a ...



Arctic lube of  
1.5m/6m willow

long et 6"  
long 1"  
Hagl  
upstake 2'  
- post 1'  
- post 2'  
long 2"  
Hagl tag

0.5 mm

B 2-F Drd

Anticubus 6

2/6 Aliv

long 2m

B - 2

1cm

long 1h

gluc

long 1m

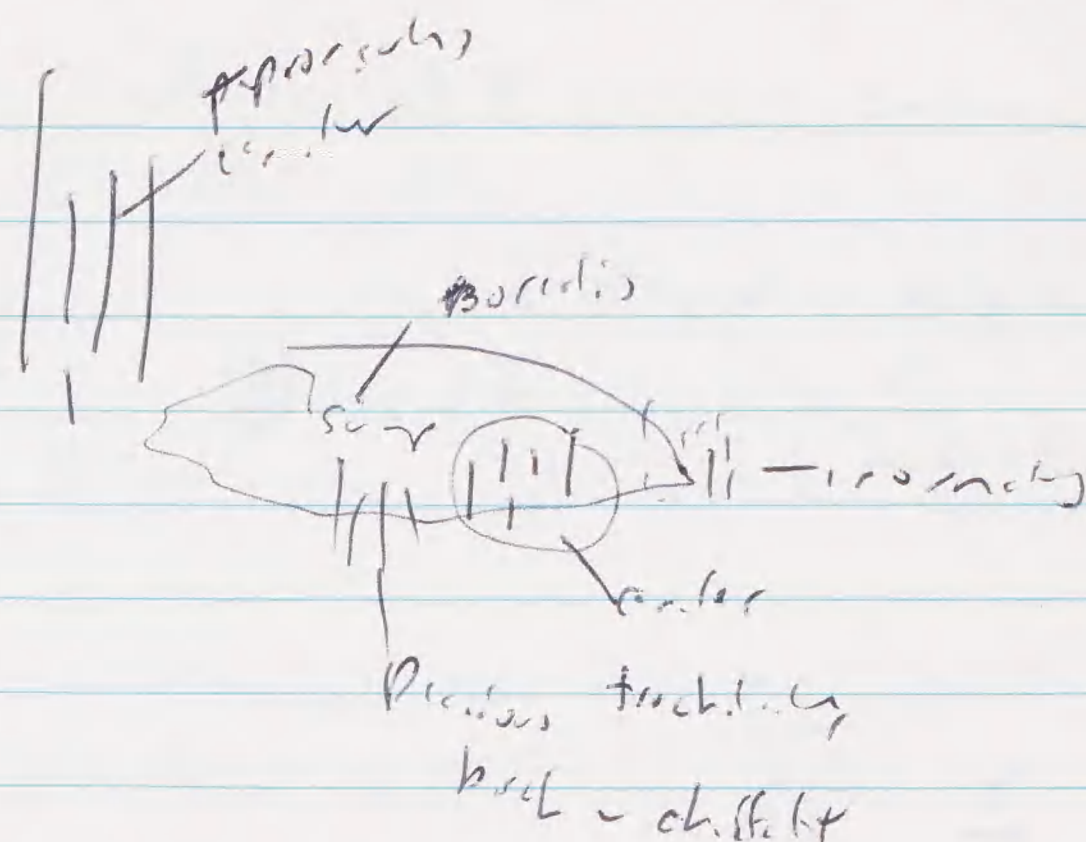
long 6"

chickadee tag gluc v2

8/16 m argin

1cm

B C 1



5 sig of arctic species within 200 m

L white-thrill 7/16 m spruce ch

not sig

Long ridge

long 6' spt

long 2' spt

long 2' spt

long 2' spt

3 4-f

2nd bear 7/16 spruce 1cm + gluc spt. to

3 - 4 f do

(in 1.1m) 1cm



P. ... 3/6 Alder

leap 2' long 7' branch  
1h 2f. be (B)  
0.0 m

Sw 2 Pass of LG

Into E. & Heron

Clouded over with Birch

Brambling 8 4/12 m

1st large 3m

branch by 2m

1st large 2m

2nd large 2m

3rd large 2m

4th large 2m

5th large 2m

3rd branch  
B 2f. be

large

many flies

up to 1000

7 1000

(33)

Flood plain L.H. B.H.

7/12 Flood plain (Poina)  
a few PL (ts).

5:40

635

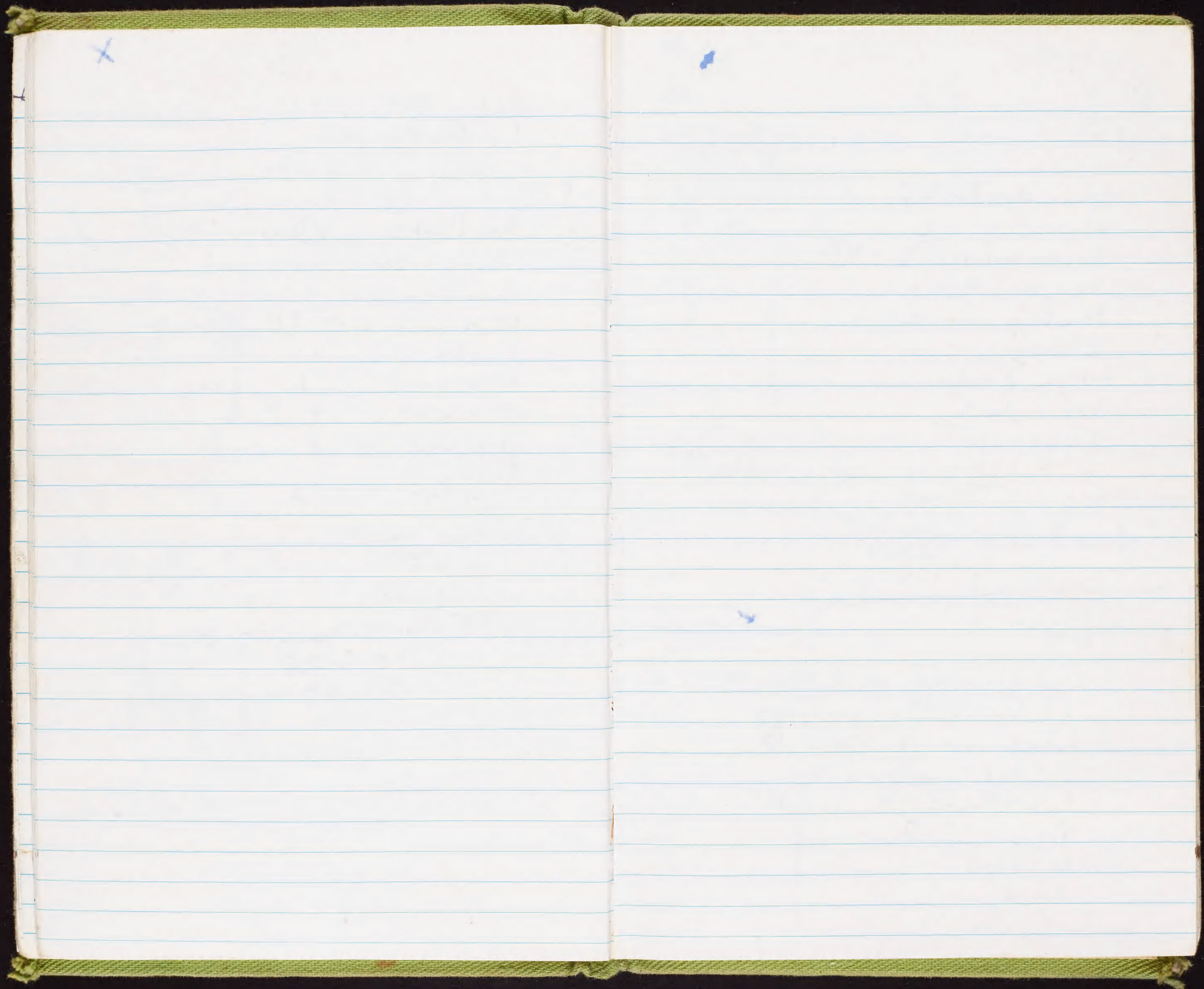
①	Sh. R. b. throat	(15)	
	Arctic Warbler	1	
	E. Cuckoo	1	
	Wh. throat on nest	(1)	(1)
	Fulcrum	1	"
	M. virens	1	"
	P. m. on nest	2	s
	O. Cuckoo	1	15
	Brambling	2	15
	Chiffchaff	2	1

White-throat nest  
in bush

Red + Blue?

4/5 Alder stub type 0.5m 1st  
1cm C 2f  
glt, glt







pt 2  
5:56

(34)

Common Rose Finch 1  
Fieldfare 3  
Arctic Warbler 3 → ①  
Brambling 1  
Brambling 2  
Redwing 1  
T. ringa (Cuckoo)  
Wh. throated  
P. montanus  
P. montanus

636

L. Ch. throat 7/8m  
no forage

pt 3 6:14

Redwing 1  
Brambling 1  
Arctic Warbler 3  
Chiffchaff ①  
L. Ch. throat 1  
Fieldfare 2  
P. montanus 1  
Brambling 1  
Wh. throat

1211

1211

160° → 210°

(35)

637 4

Arctic Warbler ① 1  
Redwing ①  
Greenish Warbler 1  
S. Thrush 1  
P. montanus 1  
B. 1

638

P. Montanus branch 10/12m  
A - 00R

Birch 10/12m  
3cm

Wh. throat 5/9m  
A zone 3 foliage  
1 on bark  
with 1 on 1 + 2  
1 on 1 + 1 on 6" 20



(36)

Pt 5 7:00  
~~Chiffchaff~~  
 P. leucophaea  
 Arctic Owl-Lk  
 P. montanus 2  
 Arctic Warbler 3  
 Redwing  
 N. Thrush  
 Siberian Thrush 1

639

Reed Bed

gleaning Arthropods in water

P. leucophaea 5/8 m Alder  
 1 m tall top  
 13 2 folys  
 thin

128 Pt 6 4:45

L. T. Lk 1 2  
 P. leucophaea 1 150  
 Tur. Thrush 1  
 B. T. Thrush 1 (all)  
 Arctic Warbler 1  
 Bullfinch 1 (all)

640

(37)

P. montanus (2) 4/11  
 E. Thrush  
 Siberian Thrush  
 Brambling

Veg description  
 (6) 50% Alder } 10% wet  
 20% willow } 34 50% Lk  
 20% Lk } 50% plants  
 10% open

3.5 m Alder

0  
 6, 6.5 shrubby tree

(640)

Insects - willow 4/7  
 1st spruce - 1st spruce  
 6" by 1b  
 3" spruce 1b  
 1cm B 1 folys

Pt 5  
 (639)

0  
 Spr 6 7 m  
 Alder 2, Sp. 8, 9, 10, 11

80% Alder - 5 m 80%  
 20% willow 25 m 10% Lk  
 20% willow 25 m 20%  
 20% open 10% grass  
 20% forbs



pt 4

14-

7m

(38)

20% spruce

30% Alder

20% shrub tree

30% open

spruce

enough

40% forest

20% light

20% 100% light

5m

shrub

20% shrub 4m

0

4m shrub 2m

0

(637)

pt 3

30% water

40% Alder - 6m

30% spruce - 20m

30% water

30% shrub

20% light

20% shrub

0

Alder 8m

Alder 4m

0

6, 8, 10 Alder

(637)

pt 2

5m

30% willow

20% Alder

50% open

60% shrub

30% Alder

10% light

(638)

1m

0

4, 5m willow

1, 5m shrub

5, 7m willow

0

(39)

L. whistler

1/10m

L. whistler 6/7m willow Hsl  
Hsl

2cm bark zone B 1fp.

A. whistler → L. whistler 3x

A whistler 6/x Alder 1by

B 2 dense

1cm

L. whistler spread leg at Log bark!



P2 1

637 (40)

60% Alder - 5m w  
57% spruce  
20% open  
5% black. w. flower tree

60% plus  
20% trees  
20% shrubs

Branch 5 yellow 7/8 m  
3 branches B - 0 Rye  
greened trunk at yellow leaf

(1) 4m Alder 1m plus  
8m willow

(2) 8m Alder  
0.5 herb

(3) 8m spruce

(4) 0.1

5.5m herb

3.0 20m bling

10/12 spruce

false glen 22

0.2 Zone 3 false

fling log 10-20 m fling b  
between grassy bushes

6/13

Tree Behind Yellow Pine  
grassy

Tall Birch, Aspen Pine

Scrubby

group 5 Brambles

small Brambles  
col - 8

10/25m 16 kg 6"  
A - 1 kg 1 kg 1

2-15

glen 16

3rd 8

12/25m Aspen  
large 12"  
Pine 2m

A - 1 false

9 10/15m small bramble

A open 1 kg 6"  
1 kg 1  
1 kg 6"

1 kg 6"  
1 kg 6"



Brambling 3 10/11 m

2 in B 2 side

H gl 1 in hml  
1 b lg 1

B

Brambling 5 8/25 m

kg 6" small lb

in A 1 b 20

Brambling 5 4 b : b. l. shh

H gl

1 b lg A open  
1 m

1 b gl

New area 1 km NW

stunted birch & TL spruce etc

Brambling 12 m

A open

1 b gl

1 b gl

Willow + poplar 2 in 22 rise

shrub 8.2  
dark green 30 m

4 Brambling Brambling

1 in A open 1 in 15/30 m

gl A open 1 b

1 b A open 1 b

1 b 1 b

Zone 243 open field C



This morning I walked through

2-3 km of trail Black Aspen - Pine

Tree

a forest 2 cross with

Groups of Brambling + lots of

other birds!

Siberian Flycatchers

Color with red

P. [unclear]

Perch

Richard [unclear]

by first gap

P. [unclear]

15/25 Aspen

16 [unclear] 10"

2 [unclear] 11m B zone

6 Brambling

P. [unclear] 15/20

Zone C 2 [unclear]

kg x 2 1' Aspen 1b

European Nuthatch black [unclear] glen

10m + dead tree

Glen 10m

1st place see pr of Siberian Flycatchers  
building nest

2nd place see pr of dead tree

5 in top of tallest

tree - no foraging

Brambling 5 8/12

1b kg 11

1b kept his head 6"

1b kg 2'

Glen 2 [unclear] to ground

1m [unclear] C 2



~~Erwin Nittet~~

~~5m Pine trunk glen~~

Pine Munters 8/22 m Bark  
to glen zone A 1m to 2m  
1m trunk

~~Cool T. + 28/22 m bark glen C~~  
2 foliage

S. horn flyc. 15/20 m Pine  
5m stick,  
the 3m - sily to air

C - open 2cm

very long inw. pink flight  
down

+ 3. to on tip of tail)

~~Erwin Nittet~~

~~3m/20 pine bark glen~~

S. horn flycider

10/20 Birch 3m peak  
B "sily" to trunk  
2m

B Brambly 10/20 13m bark

2m bark

B - 1 time 17g 72

B Brambly 6/6 m crumbly sh b  
long 14" 1b

C - 3 foliage



Bramble ♂

12 / 14 m / 30 long  
+ h. leaf

1 + green 2cm 2 1 foliage  
large 0.1 m

Fir Island 90 km S of BOR

Bramble 6/6 m willow

foliage green x 3  
1 cm branch  
20 x 2 = 3 foliage

1 ~~whitethorn~~

8/9 m space

fg, bark (h. leaf)

large 1m @ 1/2 m

1 + g

1 cm 20 x 2 = 2 foliage

got 10 g

1 ~~whitethorn~~ pr.

#1 8" up / bark green dense foliage

1 cm branch

8 m willow (long)

#2 branch green 3cm #8" up

in understory dense foliage



Y. B. B. 5  
 following  
 14' 1" Alnus  
 4/8 m  
 B - open

By the Red Warbler are  
 more common. Yellow Aln  
 than I thought  
 for 5 up - the singing  
 got steadily off hand 8/12

L. 11/12 for  
 8/12 for hand 3 Zone C  
 5-11/11 2 false

Cool 7.12 for forest  
 38/40 Zone A - for slen  
 11m  
 B. D. 11/10

Watched pronging sig for  
 4 p at 40 m pronged

Pronging 10 chas branches a lot  
 5 min no force the  
 flut~~er~~ at this level  
 near crown of tree

L. wh. 12/15 cherry (40 f.  
 51 flower pedicel, 41 top. C - 2 false  
 then flow

Brub's 5 : 15/30 m R. 14 gl  
 20 m C  
 false 4  
 after small 10, flut~~er~~  
 + chas, to other Brub's

Cool 7.12 18/30 spec f. 5  
 41 m slen spec false slen  
 false 10-11  
 B. D. 11/10 Zone C  
 up. 11 m 10 m  
 5 f.



B-63  
 8/12 Chury 5 LT 6 x 3  
 large 71  
 0.5 cm brack  
 2 folys.

♀ Redstart 8/30 m Fir?  
 0 folys B - 1/2 3 brack  
 2

maybe mulling a.

A. L. L. Willow  
 6/10 m 1 cm B 2 folys  
 8" hg  
 knick + drop

6/17 - Fir Island

Several ♂ Red, throats associated  
 with log pile - seems to  
 be the preferred habitat

chickadee

17/20 m ~~Apple~~ B-63  
 gl 1/2 gl 1/2 gl 1/2 gl 1/2  
 0.5 cm A-Zone  
 2 folys

Brambling 18/20 Apple large 1' 1"  
 3 folys B-Zone  
 1 cm brack

Wh. L. Willow 10/25 m spruce  
 Zone C dense

cutler 3-Zone on log in  
 woodpile 1 m up



R-T flounder  
 4m 3cm branch Zone B  
 2 foliage  
 0.5m large sit + wt  
 0.5  
 PR

Found a place in forest  
 with S. Thrasher  
 O. B. Pipit  
 Chiffchaff  
 Brambling  
 Bullfinch  
 meadow

Bullfinch field extending to glen  
 prob. tips of fir & spruce branch  
 within 20m: pr.  
 bird, rest & present in Birch  
 the forest interior, on  
 spruce fir

20-30 glens of spruce

3-4 kg (O.T.M)

Zone C dense foliage:

Brambling  
 19/25 Aspen 16 gl A Zone  
 2 foliage  
 2cm branch

P. montana

10/12 m Birch day

16 kg up side + 3  
 2cm B-1 foliage

Bullfinch 15/25 spruce  
 2cm  
 foliage = 4  
 glen foliage 2cm branch  
 X & + glen + drop

P. montana  
 10/12 m Birch day  
 16 kg up side + 3  
 2cm B-1 foliage



✓ Bullfinch 15/25 Siberian Pine  
No feed seen

Fir Bush

1 morning 12/14 Birch

10/31

branch

10 legs 1"

2 ch thrush Zone A

2 foliage

2 ch thrush in Birch

8 ch thrush for

pt (6-11) (fir zone)

Birch forest 2 Pine <sup>Mixed</sup> spruce  
1 <sup>upland</sup> Birch tree

632 windy + clear

chiffchaff 1 150m

honeycreeper (Redpoll-like)

12. Cuckoo 1 500m

6-11

4

2-643

chiffchaff 1500

fox tit 200

P. procerus 200

E-B Thrush 500+ all

E. Cuckoo 500m

7. hood woodpecker

6-12

mistake  
seen  
40m

West

6-13

3 648 Procerus 1 250m

Brambling 1-500m

(Redpoll variant)

chiffchaff

1 over 500m

500m\*



(42)

703

4. Myiarchi flyc.  
Top of spruce 150  
30m up!  
Oriental blue 3-500  
ch. flyc. ft seen +  
h. p. flyc. thrush

644

2001

5 716 P. pringulus 300  
L. wh. throat 200  
Bullfinch 250  
E. thrush  
B. flyc.  
R.T. Robin

645

15 220

1200m

200m down

Spruce

6 728 P. pringulus 1 500  
E. p. flyc. 25m  
1 100m

646

E. A. flyc. bark slm  
spruce 3m  
10/40m  
+1 100m h

SW 230° (counter wind stream)

(43)

7 - 7:27

P. flyc. 300m  
M. multi. flyc. 200m  
Coal fly?  
wood fly ch. flyc.

647

1500m

100m

745

8 L. wh. throat 500  
Pringulus 5  
Willow T. 5  
T. flyc. 100?

1E

648

9 755- O.B. p. flyc. 150m  
P. flyc. (2) 200m  
R. flyc. 100

Bullfinch 150  
coal fly

649

8/10 8.10 Mot. flyc. 500m +  
Bull. flyc. 100, 200  
R. flyc. 100

650

~~fast flyc. ch. flyc. 200m~~  
ch. flyc. 100

10 → 11 SW 210°



Pt. 11

820

Brambling (1) (50)

Chaffinch 75m

Pillar Wren  
Red crossbills flock  
[Bulfinch worked]

830 pt 12

Pillar Wren

1-300m  
1200m

E Nuthatch

Willow Tit

1200m

O. B. Pip +

pt 13

[Red crossbills]

Pillar Wren

1000m

E Nuthatch

Willow Tit

Bulfinch

Brambling (1)

E Nuthatch (2)

x

(44)

651

(1) 50m

652

653

500m +

300m

200m

300m

1

x

Veg.

H=30

(45)

13 - 30 - C 30% open

40% spruce 20% Asp

10% P

50% birch

20% moss

10% S

30% L.H.W

1. Asp 10, 12, 14, 15  
Fir 1.5

653

2. 0

3. B 10m

4. (P) 6, (B) 10, 12, 16

5 2.5 spruce B, 13, 15, 18, 25

652

12 30% open 40% Pine 25% B ch 5  
spruce

20m birch

30% L.H.W 10 plants, 30% L.H.W, 10% L.H.W

1. 19, 20 Birch

2. (S) 2, 2.5, 3, (B) 10, 12, 14, (P) 30

3. 0

4. B 10m

5. 0



46

22m long

11 30% open 20% S, 30 P, 30 B  
50% litter, 40 plants, 10% log

651

1. 12m spruce

2 Pine 12, 14m

3 S 2m

4 S 10m, RM, 16 ft, 18, 20

5 P 8m

H = 20m

10 20 (30m Emeralds)

40% plant

40% L.L.

20% log

30% open

40% spruce

20% Birch

10% Pine

650

1. 5. 10m

2 0, (4, 4, 10, 12 20 Pine)

3 40% S 8, 4.5m

5 0

9 40% open H =

20% L.L.

40% spruce

40% Pine

10% Birch

20% L.L.

40% plant

40% L.L.

649

1. 0

2 8, 4, 13 Pine

47

3 1.5, 1.8, 7, 13m

4 0

5 8m spruce, 20m Pine

H = 28m  
Pt 8 25 28m

50% open

25% Pine

20% spruce

60% L.L.

30% plant

10% log

648

1. 0

2 10, 11, 12, 13, 14 Pine

2. 0

4 30% spruce

5 20% fir 3m spruce

647

H = 25m

7 40% open 30% Pine 30% spruce  
25m long

30% Pine

30% plant

20% L.L.

50% log

1. 0

2 4, 9, 4.5 spruce

3 10m spruce

4 0 2 fir, 16, 18 Birch

5 0



6

25% hump  
50% lower  
20% spruce  
25% P. i  
5% Birch

20% F. 7 m  
30% pine  
10% log  
30% l. 11 m

(48)

100

20

34% spruce, B. i

40

50

646

5

40% open  
20% Pine  
30 spruce  
10% Birch

25% hump  
50% F. 7 m  
20% log  
30% l. 11 m

1. S 10, 11 m

2 P = 12 M, 10 m

3 P = 12

4 P 1 m, S 12 m

645

pt 4

60% open

(49)

25% spruce  
15% P. i  
5% Birch

100

20

30

40

50

649

pt 3

50% open

25% sp

20 P. i

5% Birch

firmly

5% fir  
20% lower

10% log  
10% plant

643

1-0

2 10, 11, 15, 18 pine

30

40



6

Sw 2-7 *Asplenium* just  
sitting in top of dead trees  
the flgs long disjunct

(50)

1. pt 2 23 m (up)  
2 30% m  
3 40% spruce  
4 20 Birch  
5 10% Pine

50% Fir  
20% plant  
5% l.g  
25% l.l.

1 12 m Pine

5 2 0

3 w, n, n m sp

4 0

5 20% spruce sp

(642)

1 25+ (m-p)  
2 40% (m-p) sp  
3 50% Birch  
4 30% sp  
5 10 Pine

heavy d. i  
Round  
5%  
20% l.l.  
10% plant  
20% l.l.

1 20 m plant  
5-6

(51)

3 50% S 5, 7, B 10, 12 m  
4 0.5 sp, 21, 22, 23 Birch  
5 19, 20 Birch

T. B. Bunting Pair

feeding on tips of fir foliage  
by perching false for long time

641



6/18

♂ Redstart 2cm branch

Zone A

1 fly

long c in lb

Sily in air

long in branch

spread c in air

very short posture  
up down up

Ced Tit

(1) 10m/30m/50m

A 1 fly

sp. branch x 3

(2) 20/30m sp. Zone B  
3 fly

hensup. hms

glen

sh

glen

sp. foliage

fi ♂ Brambling

20/25 fly

gl. foliage Zone C

Chiffchaff gl. foliage

15/30m Zone

2F

B

Bullfinch 15/30 gl. foliage

Zone B 2F

Art. Warbler

up. d. stick x 2

fly foliage

10/30m 1cm branch

Zone A 2 fly



Space Fir - mixed

(52)

~~635~~ ~~635~~ ~~635~~

630 Mixed space fir + Alder

Arctic Warbler 130m (150m) (150m)

Chiffchaff 100m

Bullfinch 250m 2 200m

E. Nuthatch 100m

Wh. Nuthatch 200m

Cuckoo sp 1 all

Crossbills

654

655

]

630

613 Mixed Space Fir Alder

Willow T. 150m

Chiffchaff 100

E. Cuckoo (2) 250m

Arctic Warbler 2 300m

R.T. Robin 250m

Brambling 200m

Bullfinch

(1) 60

(2) 50m

along lake then 1300

638 PT 3

(53)

P. W. Warbler

Willow T. 2 100m

Brambling 175m

E. Crow 120m

Arctic Warbler 75m

Woodpecker sp

European Nuthatch 200m

R.T. Robin 250m

Redwing 300m

656

657

+1350m

Head South 20

PT 4

649

Brambling (1) 40m

R.T. Robin 20m

Chiffchaff 250m

P. W. Warbler 250m

Crow 500m

Bullfinch 1 - 200m

Arctic Warbler 1 200m

European Thrush 1 300m

Woodpecker 1 500m

657

8



Pt 5 7:01

R.T.Rob. - 200

Bull fish 75

(007 J. 75 103)

P.M. W

E Math. 200~

cl, f f cl w x

P4 6 714

Bullfinch 200m,

P. inscripta 200n

P. pringens 7300

E. C. 100 1500 ~ 2-3

E. C. C. 50 + 500

5. Bl. N. 6. 2 ? 3-500-1

Black Woodpecker 8-5000

$$210 \rightarrow 290^\circ$$

7:32 pt 7

1. (net) 10m (1)

Baufach von ①

Ant: W. b. w. <sup>40%</sup>

check for 1

Like without (1)

C661 924

best p. 28.

Bombing 200m →

2 Sublimation Th., 1941

E l l h o o

$P. multus$

746 p. 8.

1.  $\frac{1}{2} \times 10 = 5$

Woodpecker 14

RT Robt. 100

E. (1-4-20) 300+

$[c, (n), h, (k)]$

6-19.4 20

p.m. - 10 - 1

~~Arctic babbler~~  
L. wh. throat

L. wh. throat



PT 9 752

E. Cuckoo (75)

C. Tit (2) 20 m, 1-60m

E. Nuthatch (1)

W. Tit (1-2)

Ch. Thrush - 100m

Ch. Thrush

Thrush sp.

(56)  
663

(2)  
300m - 100m  
→ 500m  
+ 7500m

Av. L. L. L.

PT 10 8108

100m each (100m) 1200m  
W. Tit, S. Thrush

Insects 3-150m

E. Cuckoo 1-300m

Nuthatch 500m

B. Thrush 200m-1

Golden Plover 200m

(57)  
664

2305

PT 11 123

(57)

664

<sup>insects</sup>  
B. Thrush (1) 25  
Cuckoo 1050  
75  
100m

L. Thrush (200m)  
Ch. Thrush 1500m

Woodpecker & party - 2-300m

D. T. Thrush 7 300m cell

Ch. Thrush 7500m

C. Crow 7500m

B. Thrush 1300m

R. Thrush 1200m

<sup>insects</sup>  
P. Thrush, 500m

~~insects~~

Ground stat 0.7m  
Zone C 3 birds  
A. 100m  
LB

12/25m



Habitat

(58)

Pt 11.

C=27m

50% open

80% Fern

45% Birch (spruce)

10% l.t.t.

5% spruce (very) 10% l.t.t.

A>

1. Birch 20, 25m

2 - 0 - 0.2 Fern

3 8, 10, 11, 14 b.l.t.t.?

4 Spr. 2m, 6m, Birch 25m  
A,

(661)

Pt 10

C=20-25

50% open

70% Fern

50% Birch

20 l.t.t.

(spruce)

10% l.t.t.

1. 26m Birch

2 Birch 15m

3 Spr 6m

4 4.5 2.2 sp 25, 30 Asp

(662)

Bullfinch

15/25 dense

fir foliage

no foraging

Pt 9

(59)

C=25m

60% open

50% shrubs

20 Spr

5% fern

10 Birch

20% l.t.t.

20% l.t.t.

10% plants

(662)

1. 17, 18, Pine

2 3m spruce, Y.M.A., 20, 21m Pine

3 2m spruce, 10m A.L.

4 0.2m fir

Pt 8

C=27m

40% open

60% Fern

20% l.t.t.

20% shrubs

40% Asp. spruce-ferns

(662)

1. A=10, 15, 16, 17, 20

2 F=4 A=10, 12, 13, 14, 20

3 S=5, 6, 7, 10 A=15

4 F=3m A=20, 22

5=0

L. white-throated

9/10 m sp. / 27 m

5% spruce

large sp. foliage (+)

A 1 foliage 2cm



Pt 7

30 (copy)

sp. for  
unv.

20% sp

Gr. Fern

20% A

30 l.h

20% B1

10% extra

10% Pine

1 ~~Sp~~ 4, 6 m

20

3 Fir 13m

4 0

5 ?

660

Pt 6.

40% clear

20 grass 20 Equi

30% sp

30 Fern

20 Birch

10 log

10 Pine

10 shrubs  
+ fir

1 F = 15, 18m

10 2 spruce

3 = 6m Fir

4-0

659

Pt. 5? 30m (copy)

20% clear

60 Fern

20% spruce

20 Fir

20 Pine

10 shrub

20 Asp

10 log

10 pine

1. 25 m ~~Asp~~ <sup>B. +</sup> Pine

2 0, 2 shrub

3 0

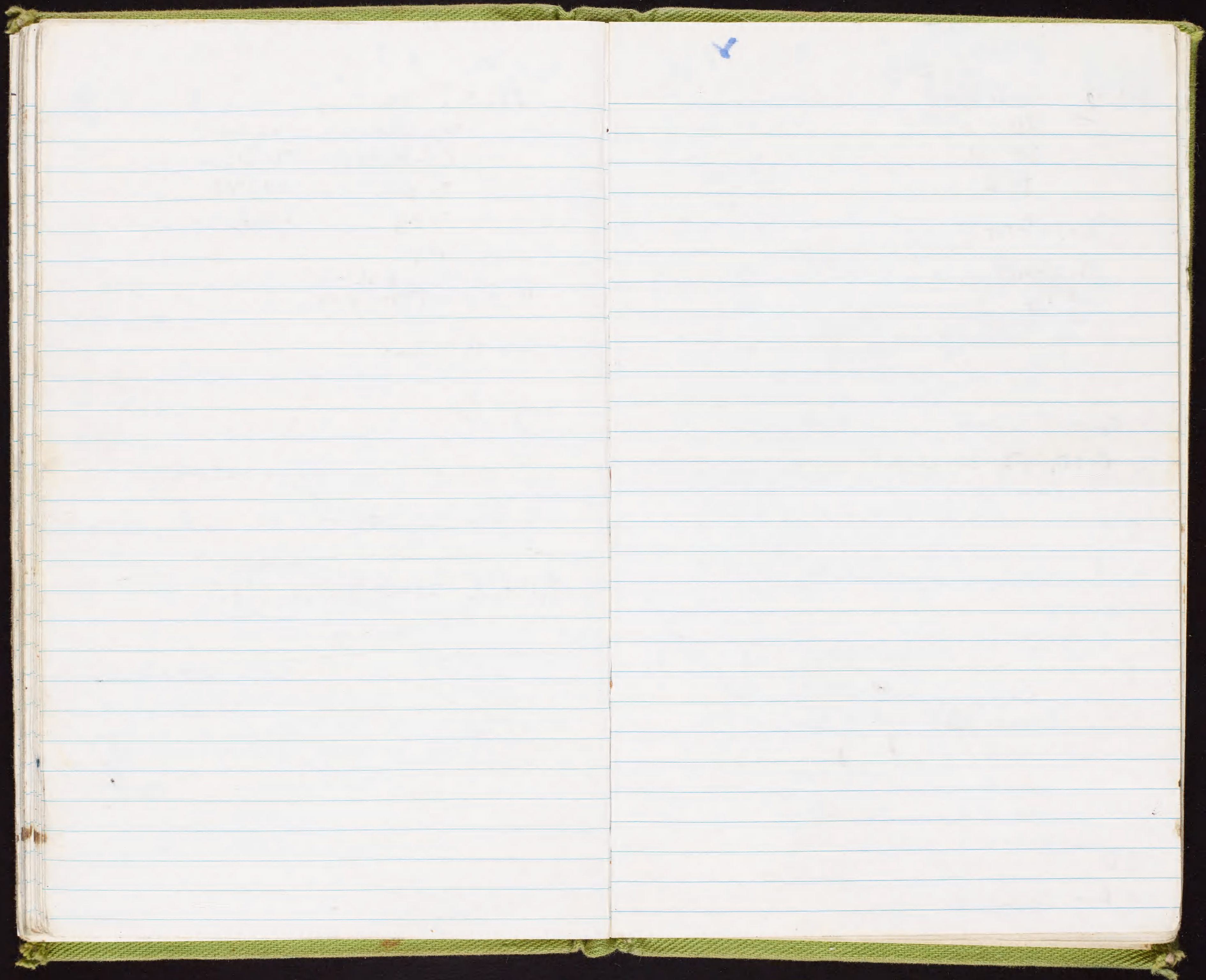
4 5 = 10,

Asp = 25 m

5 fir 25, 25.1 m

UB 1 fir 20-25 / 25 more fir  
no log







Pt 4  
 30% clear  
 20% S  
 20% P  
 10% B

60% Fern

20% shrub  
 5% log  
 10% L. Fern  
 15

142x = 658?

658

h Aug 17m

2 f 15, 17, 20, 22, 25  
from 0.2

30

40

Pt 4? 17-25m  
 60% open 40% shrub  
 30% Fir 40% Ferns  
 10% Birch 20% log

142x = 658x

658

1.0

2 f 17m

3 Fir  
 10, 12m  
 4 3m Fir  
 5 = 0

Pt 3 30% clear  
 50% Fir  
 20% Birch  
 25m  
 30% Ferns  
 30% shrub  
 10% log  
 20% L.

142x = 656

656

1. F = 8m
2. 2x1m shrub
3. Fir = 10, 11, 11, 20, 21
4. F = 15, 16, 17, 18, 20, 21
5. Ash 1m x 2 spruce 6, 7, 10, 11

Pt 2 60% open  
 20% Fir  
 10 Birch  
 25-30  
 656

1 F = 7, 8, 10, 15

2 3x1.5m

RV

30% Fern

20% L. shrub

50% L. shrub

7 Ash 100

Birch 3 10, 12

4 = 0

18 = 20m



C-25  
 Pt 1 60% open 70% Rain  
 20% spruce 10% plants  
 10% Birch along 10% log  
 10% other 10%

1. Aspen 17m  
 2 Herb. spruce 3457

3 elder 2.12.5m Herb. 1m

4 spruce fir 6, 10, 11

5 O, grass

Siberian Flyc. Dead Branch  
 15m 5.1/2 to 6.5 x 2  
 2m 1.5m  
 1m (inside canopy)  
 O - Dead Area

Brubly - several in a few trees

♀ 78/30 Fir outside zone C - 4 foliage  
 gl - blue x 5 lg x 1

2nd ♀ 10/30 Zone C 3 foliage - fg x 5

(63)

5 Redstart

~~12/10/15m Brubly~~

~~Dead branch 3m~~

~~long to branch 2m~~

~~O foliage zone A~~

Brubly 20/25m

fir feeding

on needles

Zone C 16m branch

3-4 foliage

♀ Brubly 25/30 Dead foliage

gl x 7 F. fly

lg x 1

16m branch zone C

If you look hard enough,

There are usually Brubly  
in the crowns of firs



White stork

Bird 28/20/20

Zone c 2 folge 2m bark

large 2" 1b

Arctic Lark 11/10 Birch  
No forage

Puller Lark

15/30 space

upstroke 4 folge x2

↑ len break

0.5m

2nd Large Fir Isled 6/20

Pl 1

6:22

Mixed Spruce Fir Bark

666

chiffchaff 300

Pied Finch 100+

E Lark 200

L. Ch. Lark

Redwing 150m

Arctic Lark

Puller Lark 300m

C. Lark 300+

Bullfinch 300+

Red Tit 150

Willow Tit 100 (2)

130

Pl 2 637

667

Brambling

chiffchaff 100m

Puller Lark ① 300m seen

Redwing 300m

E Lark 500m

T. Lark ①



Pt 3 7:47

chickadee 75m + 1200m

RTFLJA 1?

Redwing 300m

chickadee 200m

L. wh. tit 200m

Woodpecker 1 down 500m

E. Cuckoo 200m

668

3.5 → 4 (Lark)

Pt 4 7:03

661

L. wh. tit 100m (1400m)

E. Cuckoo 1200 1500m

~~Woodpecker~~ 300m

E. Cuckoo

Redwing 300 300m

Woodpecker 300m

Brambling 200m

Coal Tit 200m

~~Yellowhammer~~ 300m

Yellowhammer

66

Pt 5 7:18

R. T. Robin 5

Redwing 200m

P. inornatus 300m

E. Cuckoo 300m

chickadee 100m

~~Woodpecker~~ 100m

Brambling 200m

C. Rose finch 1

~~S. Rub. throat~~ ?

L. wh. tit 100m

chickadee 1-200m

670

work +  
detour along L. L.

671

Pt 6 7:22

L. wh. tit 100m

chickadee 200m

P. inornatus 200m + 150m + 175m

Redwing 100m

Brambling 100m

Full finch 2100m

L. wh. tit 100m

~~S. Rub. throat~~ 200m

Coal tit 1000 75m



Tree types  
 Inverted - Alder x 2  
 chiffchaff - Alder

(67)

2410°

743 Pt 7

Goldcrest (D.L.L.)

E. Lark

Brambling

Coal Tit

P. ...

Gr. ...  
 G. ...

Robin

672

1200m

1200m

Cpr ...  
 + 52 ...

W. Lark

12/200m

Crataegus

A - 2 ...  
 200m

Brambling

(67)

X

12/200m

Brambling

hard ...  
 10/200m

Brambling

10/200m

PA. 8 102

673

chiffchaff 75m

Brambling 75m

Coal Tit 100m

Bl. ... 200m

E. Lark 300m

Robins (2)

G. ...

Robin

S. ...

E. Lark

chiffchaff

1 Robin

300m

100m

(1)

100m

(13)

collony



✓ (69)

674

PT 10 8.3.4

(70)

Ch. Black St S ① 40m  
Redstart S 100m  
Polly Lark 300m  
~~Belted Kingfisher~~ 2-300m  
E. Cuckoo  
Woodpecker D.  
Rusty Song  
A A A . . . . .

1 Alder 10 m	
2 Spruce 1 m, Alder, 7-10	
	Spruce 18 m

3.0  
4 <sup>P.P.</sup> 8, 10, 11, 12, 13  
5 <sup>P.P.</sup> A-8 sp. 15



OT 9

30/1. 09.20

23 n copy

50 Fv

25 to 4000

70% ph vb

20 Feb -

kg. 145

1.  $F = 5, 6, 10, 15$

2  $\beta = 18^\circ$

2  $\beta = 18^\circ$  Sarkus (Wh, b)  
3 0.1 ~~100~~  $\beta = 18^\circ$

q)  $F = 8, 4, 15$

674

Brimby 22/25 ~~spider~~  
ferry

L.L.H. 4th grad  
FIR/20n  
Graham's 2nd grad  
A - 1st grad

10 + 8

50% open

40% fig

558

31. 5

50) = 121

20 Feb

2010 31433

21 1485

$$1 = 2$$

256

36m (100)

9 meters

673

$p_x$  2

20/11/22

20/08/2020

2550 f. 1

71. 11/21/19

2014-05

 $20 \text{ } \psi_{502}$ 

10 feet

13 9, 10, 15, 20 f. ✓

 $2 = 0$ 

3.0 0.1 0.1 ✓

$q \cdot f = 10 \sim$

8:00

672



Pt 6 60% clear  
 20% Alder  
 10% fir  
 10% Aspen

1 Alder = 112  
 2 fir = 15, 17, 20  
 3 = 0  
 4 = 0  
 5 = 0

White trout

20/30 fir  
 3 Alder  
 10%  
 10%

Group of 4 Bullfinches  
 chipping in fir

needle glazing  
 sweet lost 2  
 one 20/30  
 one 22/25m

lower - one could have been  
 probably small fir (w/ 10)

71

5 Brindley & 20% (faint)

20/30 older part of  
 tree with grey in  
 black orange foliage

Bullfinches spent lots of time  
 on the tops of the trees

thick 14 Alder 10/10 -  
 foliage

2 Alder 10/10  
 2 foliage

(670)  
 PT 5

15-18m  
 40% open  
 30% Alder  
 10% fir  
 20% Aspen

40% fir  
 30% foliage  
 20% shrubs  
 10% open

1 Brindley 8m 4 (10, 11 Brindley)  
 2 Alder 8m Aspen 6, 8m  
 3 = 0



Pt 4

60% open

20% fir

20% Alder

50% fir

40% spruce

10% larch

10% open

(75)

1 Fir 6, 10, 20

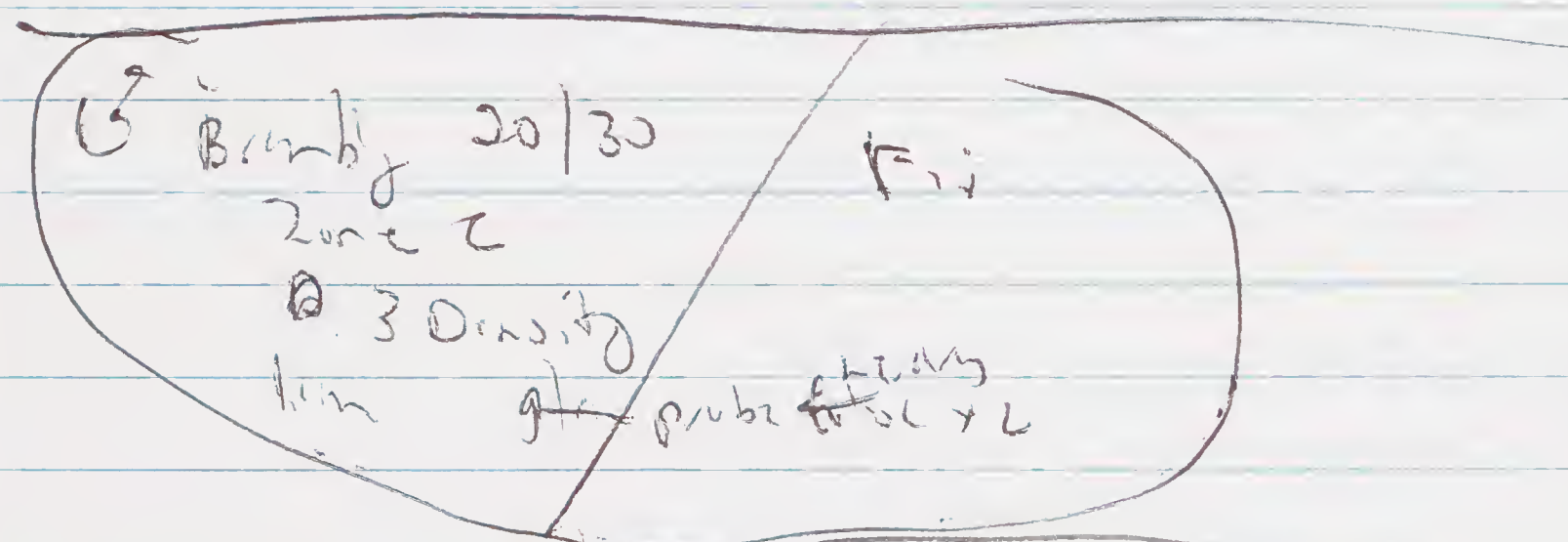
2 Alder 10m

3 Fir 10m

4 Fir 6, 20, 10, 15m

5 Alder 6, 20, 10

669



Pt 3

25% open

50% Fir

15% Alder

Open 20%

10% 20%

10% (10%) 40%

10% 20%

1. 3m Fir

2. Alder 3, 5, 10, 15

3 Alder 15m

4 Fir 10m

660

Bramble 10/30m fir

glr spruce, glr fir

Zone A - 10m

lim branch

Longer Cuckoo

fluffy - much on

terminal flr off spruce

hunting 20/30m

within 2m spruce

55 on top of trees

only - some spruce

Spruce

with fir with heavy

cone crop

within 10-15m

no heavy spruce



P+ 2 30% open  
30% fir  
20% spruce

30% shrub  
20% fir  
20% larch  
20% fir (low)  
20% larch

(10) ✓

1 - 0

2 - 10, 11

3 - 15, 18 fir

4 - 0

5 - 15, 18

P+ 1 20% open  
50% Aspen  
30% spruce

lost

6/21 Travel day - total  
restand late + end on  
glough named ? with full  
for spruce stand in edge  
small amount of willow - Pallas Grosbeak  
Lark, S. Redstart - in forest  
Pallas Lark, Blue Rob, N. Finch,  
Brambling, Chiffchaff, R.T. Rob -  
+ Black woodpecker

6/22 went to Bopo-Podke  
River + spent day because of  
bad weather. Dark fog at  
spruce, fir, Siberian Pine and  
Brambling, River.  
Pallas Lark, Chiffchaff,  
M. Lark, Flycatcher fly.  
1 Brambling

10/30m Pine green, zone B

lost 1 false lark Brand

Very few birds

Crappy about 20-25 m in  
forest open with low understory.



Clear + windy  
Forker  
Forker Camp River  
upland Tanager

5:20

P. puer 300m x 2  
E. Cuckoo 900m +  
Ch. Thrush 200m +  
Willow Tit (300m +)

200m +

677

4 60T

P. puer 300m  
P. puer 300m  
Bullfinch 400 200m  
Willow Tit very high

679  
680

2  
535

P. puer 50m  
1 100m  
E. Cuckoo 500m

678

5 618

P. puer 300m x 2  
W. Tit 250m  
[W. Warbler 1-2 birds]

680  
681

6 631

P. puer 130m  
150m  
Willow Tit 200m  
Bullfinch 2  
T. puer 1

681  
682

3:547

Willow Tit 250m  
P. puer 200m  
S. Thrush? 120m  
T. Tit 100m  
T. Tit 100m  
T. Tit 100m

678

7 647

P. puer 300m  
Bullfinch

682  
683

(2) 500m

45m  
point with the  
land the fire



658

PT

3

Pillar Lark

1.4m

1.5m

Willow Tit 300m

[w. warblers' overhills]

[M. thal. 1]

+1250m

683

~~684~~

712

PT 9

Tarsiger 250m

Pillar Warbler 400m

[w. warblers' overhills]

Willow Tit 30

300m

300m

684

~~685~~

]

685

~~686~~

PT 16

3

Tarsiger

300m

- will. tit 312

Pillar Warbler

250m

Willow Tit - 300m

G. S. Woodpecker (1-500m)

PT 11

by Brook to road

80

686

~~687~~

744

Br. Warbler

300m

Tree Creeper

100m

E. Warbler

100m

had to tell distance because of stream

no. 1

PT 12

S. Warbler

100m

M. Warbler

300m

Br. Warbler

175m

Pillar Warbler

100m

2 Willow Tits

(30m)

+ 175m

687

688

(2 Willow Tits) 40m

688

~~689~~

PT 13

808

G. B. P. P. 7

70m

Pillar Warbler

(140m)

[w. warblers]

40m

G. S. Woodpecker

150m

(100m) + 300m



Pt 14 8:20

~~0.5 fir 30m~~

P. scrub. 11

P. H. Laker 100m, 300m

Green Laker 100m

Willow Tit 75m →

Pt 15 8:31

P. H. Laker 100m  
250m

Willow Tit 300m

Green Warbler 100m

Willow Tit?

(1)  
(2)

(41)

689

~~690~~

670

~~671~~

(82)

Vegetation Pt 15 02:20M

30% clear 70% fir

50% fir 10% log

10% spruce 20% grass

10% Birch 10% litter

1 fir = 5, 8m 0.5m fern

2 Pines 4, 7, 8, 5 0.5m fern

3 fir = 10m

4 fern = 0.5m

5 F = 2 20m fern = 0.3m

(691) = 690

Veg Pt 14

15-25m clear

30% open

40% fir

20% Birch

10% spruce

70% low

herb

10% grass

10% log

10% litter

~~689~~

P = F = 5m<sup>2</sup> A 7 7 8 fir 1.5m

3 A = 7m

4 B = 1.1m, P = 0.1m

Tension 9

120m  
5m Zone A open  
Noting fir



(83)

Pt 13 young cedar 20 m  
 10% open 90% Fir low  
 0% fir  
 20% spruce  
 10% Birch

1 = F 12, 13, 14, 14, 20  
 2 F = 4m  
 3 F = 8, 9m  
 4 F = 11, 13m  
 5 F = 22m

~~687~~  
 688

Pt 12 40% open  
 0% fir  
 10% Decid tree  
 10% pine

20% open  
 20% fir low  
 20% fir 1 spruce  
 10% shrub

1 = 0

2 F = 14, 14m  
 3 ~~8~~ 8.5, 8, 10m = f  
 9 Fir = 0.5

~~687~~  
 687

(84)

Pt 11 vegetation 25-30m  
 10% open 30% fir  
 25% spruce seedlings  
 50% fir moss spruce  
 10% spruce 60% shrubs  
 5% Birch 10% log

1 p = 15, 12  
 2 f = 8  
 3 B = 4m  
 4 Spruce 10m

~~687~~ 686

Pt 10 10% open 20-25m canopy  
 30% fir 80% herbs  
 40% spruce 10% shrubs  
 10% pine 10% needles  
 10% Ash

1 Ash 10m

20

3 Ash = 8, 8.5m, F = 8.5m

4 Ash = 10m

5 Ash 8, 8

Local Tit Spruce 6/8m

A zone open  
 no trees

~~686~~ 658



B. 11-fuck (500g)

P+10

(85)

19/20m fir  
low break 4 10%  
fir sleeping in sun  
dense crown.

P- a 20% open  
45% fir  
20 spruce  
10 Ash

50% Ash  
40% spruce  
10% y

2 A=

1. - 0

2. 10, 4, 5, 7m

3. 6m

4 = 0

5. 10, 20m

Hell

(684)

684

Willow 7, +

(86)

8/20 m 7m A  
F-1

in 100% Fir

P+8 H=  
20% open  
15% Aspen  
40% Fir  
20% spruce

50% 40%  
Victorian 100%  
30% 50%  
20% 10%

1. F=10, 1L Asp=14m for

20

3 S=13, 14, 15, Asp=18m

4 = 0

5 F 8, 1 Asp=22

P- 7 H=  
30% open  
30% Fir  
20% spruce

80% 40%  
10% 10%  
10% 10%

10% Birch  
10% Pine

1. 0

2. F=15m

3. Asp=19 20

4 = 0

5 = 0

(684)

683

(683)

682



Pt 6 20m open (Birk-berry) ✓ (87)  
 30% fir  
 10% spruce  
 10% Birch  
 10% fir  
 20% fern

1 F = 9, 11, B = 15, 10, 18  
 2 B = 10, 11  
 3 0  
 4 F = 8, 11, 14  
 5 0

Pt 5 H=25m 20m open  
 10% Birch  
 40% fir  
 10% pine  
 10% spruce  
 50% Birch + haws  
 10% fir  
 10% spruce

1. 8m spruce  
 2. Birch 6m  
 3. Birch 10, 12, 20, 25  
 4. Fir = 4m  
 5. fir = 4, 5m

Pt 4 H=25m (88) 20% open  
 60% spruce  
 10% fir  
 10% Birch  
 60% fir  
 20% fern  
 20% fir

1 F = 3, 10, 11, 13  
 2 = 0  
 3 F = 4 + 5m  
 4 F = 25m, 10, 12, 13, 20m  
 5 = 0

680 = 679

Pt 3 H=25 30% open 30m open  
 20% Birch 30% spruce  
 40% fir 40% fir  
 10% spruce 10%

1. 0  
 2. 0  
 3. Ash = 2, 4, 8 fir = 8, 12, 15  
 4. fir 6, 7, 9, 12, Birch = 15  
 5. 0

679  
 678



25m (11.5V)

P7<sup>2</sup> 40% open  
40% fir  
5% Birch  
5% Pine  
10% spruce

50% grass + h<sup>t</sup>  
30% forbs  
20% logs  
lots of myc

1 = 0

2 F = 6, 7, 11, 15

3 F = 3, 4

4 ~~R~~ ~~super~~ Birch = 2, 5, 3 ~

5 Spr. 10, 11, 13

H = 25

20% super

20% spruce

5% Ash

5% spruce

50% fir

40% herb  
20% grass  
20% log  
20% open

1. 8, 9, 10 = fir

2 B = 15M

3 F = 8M

4 = 0

676

6/25

(90)

Ten. behind camp on R. N.  
at Fuchs-

E. N. Hatch. 8/10 fir

5cm bark glan  
Zone A  
1 file c

P. S. Hyetider on Dead Trees

15m up

Silly 5m

Silly 8m down

on trunk no foliage

Watched 5m  
chiffchaff to 6m/25m  
fir to

24m.

glens spruce file - 3 dead  
Zone C

also to bark glans.



Found ♂ Brambling in ~~the~~ fir  
thicket 8m

singing

Plum to Birch + straggly collg

(-500 2' 1.500 2' 1000)

1st st

4cm branch

2 foliage

B zone

Plum to Birch 1st st

Also near ♂ Brambling:

Plum singing

7m / 10m. Bal

Zone 4cm branch open

looks just like

Brambling!

On Floor Pl. - Great views

6/20

firm up

7:10

Pr Bullfinch 15m / 35m Fir

Plum

Redstart ♂ 10m, tan red

8m from Fir plum

Zone A open 4cm branch

open, 1st st

large + look 1m branch



8/26 - along creek behind camp  
at fence

Siberian Flycatcher at tp

at Fir 25m - ~~to~~ <sup>fly</sup>

L. Wh. Warbler

24/25 spine

R. Jay

Zone 2 down to  
1m back

Spotted Flycatcher?

on top of  
fir 20m from  
no foraging

Bill to L g

10/15m fir

kg at spine web 0.5m

glue tip

kg at foliage x 2

Zone C ~~down~~ open foliage  
2m back

✓ Bill to L ~~to~~ is fine to turn

M. m. 8/15m fir

intermediate back

7" kg to back

open

Bl. & Th. Red Warbler

7/15m Zone C C  
10g bl. & chry

3



0/22 - forgot date

1. Flood plain

clear from corp - handwriting

a/ 3 Batterien für 6000

check out J System for

Pillsbury, L. J. says for the first

B1, It's Red wubz J

2m | ~~3m~~ will

$$d(w)/dw = 3$$

~~Zinb/L~~      ZinB

2-folge

6/28 ~~Union~~ <sup>down</sup> stream  
+ across River

2, 1 2, 1, 3

12/18m fir

key up folio 2 side  
C-3 folio e

2. 4th out to 2

he, up stungled

3 in stem  $\odot$

2 fol. 4 r

apical st. be 6" leaf horn

C. A. 1.7

7/14 n. B: 22

~~dead leaf prob - 1~~

~~hang on~~

2.  $f \in C(B, \mathbb{C})$

B Zone

3. Policy

h<sub>e</sub>, up to the

42



Bank 5

10/20 Aspen

glow along a line  
1 cm

C - 2 foliage

W. 11. 11. 11

6/13 m F. 11 the

dead tree

fg  
shrub in  
hand glow  
faded by down x2  
bank gl  
faded in  
hand glow x2

2 foliage  
1 cm  
C

chickadee 5

5/10 m

for 6th upper down x3

43 2 foliage

1 cm hand C

2 grey Bulfinches on top  
of tree

C. whistler 8/12 first 30 cm

C 1 cm

end of hand fg x2

2 foliage

Br. bling

A open

10/12 black 2 cm

Black

hg 6" 11 cm  
large 2' "

new chickadee - (new nest)

no ink on

10/30 m

chick large 3' 11  
birch 2 foliage

C



E Nuthatch

peck - h - d

stem B zone

pen 20

3/12 Bird cherry  
20 m Birch

Lilac 7.9

8 m 120 Spruce / 20  
Zone A

open 3 cm  
brush (new) stem + 3

♀ Chiffchaff

8 m fir c - 1 tube  
fg fern

Birch 21" h y x 3

1 cm zone B 1 foly

3 in area

q grey 2-bw: ms  
posture

thin waist up

3 ultimately  
closed after  
q when the

White chaffinches &

Brambling sally in

low center border on  
Birch - Swamps

✓ Bullfinch Group of  
✓ fir - no twig

Ch. Warbler Group of Birch

Willow Tit 6 m / 8 fir 120 m  
A Birch 120 m

fg  
Buckthorn  
+ 2

Brambling  
3 foliage  
Zone B

Saw 3 Pink Bullfinch

in Birch in field -

flew into edge undergrowth

at dense fir where 1 2 (4 m) fir / 20  
Birch

fg, fern, h y, fg fg

deciduous, 0.5 m  
Zone B



6/24 " Floodplain even for crop

fungi

B. Reuther 1m / 2m willow

back sl. w

log 1b 3"

1 + sl

Zone B 3 tubes 0.5m

and 2 herbs foraging

couldn't see

✓ pr of Bullfinches

✓ out of Fir canopy  
no foraging

Fir, Lobl. sp. + fir

Cut dit 10/25 Bird

3m back half y

B open →

Fir 10/15  
Zone C 0.5m  
glan foliage

2

C. V. W. (day 1 & 2)

fy 22/30 spruce 3 tubes

den back

U. cl. 22/30 m

spruce no foraging

C. T. 22/30 5 tubes  
1h 1 as m back

3 tubes

5/8 m Bar 1h

(black out 8)

Shrub flyc. 20/20 fir full, &  
continue

✓ Bullfinch pr in fir - no foraging

✓ 3 more Bullfinches in canopy of fir

Saw pr of Ash Brown

Plumbeous capuling

low in dead

branches of fir



6/30 Around Nov. <sup>upland</sup> ~~Thorn~~  
~~Yucca~~  
 Birch A 2/4m  
 Dense  
 Large at foliage  
 1cm

Chickadee ♂ first

seen for the

Birch

12/16m

2cm bark B

2 Density

16.5)

16 keep 3"

sub-flower

Birch → Pine 5m  
 Birch

Pine → Birch foliage  
 7m

10/16m 2 foliage  
 Zone C

Flower

as

Fir - Aider

Birch

Aspen

unseen

birch

Prognosis 35m crown  
 of s. pine Pine

at Red Th. flowers

5 3m open directly to bark

3/15m fir Zone A  
 open 2cm bark

♀ 3/15m fir Zone A  
 2cm bark on

thick bark

upside of f. 15m 4m  
 A flush per-11

at pink Bullfinches

3/4m under fir

Zone B-C 2 foliage 1cm bark

gl large 7m x2

ly 0.5m at fir foliage

gl

to the do  
 A. h. forest



8/7/1 9:00 →

New upstate opposite Tolun  
at force

Fir stand belated up

2 T. Tongue

Brakly

2 Acer Brown 4th. low

5-7 m up

in fir and brankly

Chittichetty

8/13 m

Brakly

slow vertical

the first top

get to top

3 foliage, low

Zone 6

Asian Brown (P) (P)

5m / Zone A.

No lines

3m silly to brankly?

R. Antelope

Architecture



ouck

May 10-15m

total 25-30m



♀ L. White-throat  
10/20 ~ 25 ~ F. 2

Zone B 300m  
large in den  
got more  
open tings

7/2 Birch pt city

Pt 1 5120 clear cut

Siberian Blue Robin 75m

Arctic Warbler 140m

P. 11, Warbler 300m

Willow Tit

~~Redstart?~~

Bentley (Y. Brown)

1200m

300m

Pt 2

529 Willow Tit 100m

Cuckoo 100m

Brachy 100m

chiffchaff

European Nuthatch?

300m?

1-2

Vegetation: 30% open 5% Birch - Fir

40% Aspen

For alder

Pt 2

25% Birch

50% sedge

20% shrub

20% Birch

10% 1-2

H=?

1 Asp 10, 12, 13, 15, 18m

2 Birch 7, 8, 10, 11, 17, 20

3 Fir 10, 15, 16, 18m

4 Fir 10m, 20, 3, 4 Asp 10, 11, 12

5 Birch 4m



(92)

forsy in Red-Asp  
along 4<sup>th</sup> miss, appear for me -

Be. - hly 13/25 m Aspen  
no foraging

Pt 1 30 open  
40% Birch F. 5  
20 Aspen 5 hly  
10% Fir 20% F. 16

1. Not 4m Asp 12, 14 ~

20

3 Fir 13, 14 ~

4 Aspen 14 ~  
20

Bullfinch ♂ 12/18 ~ Birch  
3<sup>rd</sup> Birch Zone B  
2 false 1 hly  
2<sup>nd</sup> Birch 1 + gl.

E N-Hall 25/20 ~ Fir  
Dense foliage Zone A

2<sup>nd</sup> Silver Pine 8/12 ~

2<sup>nd</sup> Birch 12 ~

Birch back glen

Zone B 2 foliage Probe

Chiffchaff ♂ 7/8 ~ 130 Asp  
probe glen zone C  
2 foliage  
1<sup>st</sup> branch

Chiffchaff ♂ 7/8 ~ 130 Asp  
16 hly 3" 1 hly 1" → 2  
F. 7 with dis branch 1 m 2 m  
gl x 5 C 3



2 Cull + 1 = Aspen foliage  
Aspen - 1st - 1  
3 Branch 12/10 m  
large + 1st  
or 1st branch 5cm  
A open

July 3 Island opposite  
Camp

Willow Tit pi

10/20m Aspen  
lichen on mossy bark ylt x 5  
5cm branch probe  
Zone B  
open

8/20m spruce

Zone A open

low up pole  
probe - lichen  
5cm on brown

Lentic Bunting at edge of  
Bay

Cull Tit

8/20m Fir  
foliage long down @  
Spruce - deep bark down  
branch probe +  
lichen

Glenn Zone C 3 foliage

Willow Tit 10/25m spruce  
foliage to probe  
spruce by  
Zone C

Bullfinch 10/15m fir hgt 3"  
hgt 5"

glenn x 5

Fir needles 0.5cm  
4 foliage  
Zone C

13/15m glenn x 5 foliage  
Zone B

3 foliage fir needles



Pr. Blt. L key  
in needles 10 spruce

(C) branch 4  
foliage

at edge of field

Brubly

7/12 ~ B

Zone C by 37

glan 74

wiky

at

brubly

7/4

Tolad worky edge on  
An. (101)

Brubly

Zone C

17/25 spruce

Whiglin (brubly)

len 2 folgy

B. P. C. Reed herbler

4/7 willow

has glen 1 hr 3

glen 1 hr 2

C len 3 foliage

Brubly Brubly

Zone C

len 2 foliage

1 glen 1 hr 2

B. P. C. Reed herbler

0.5/1.0 m

glan herbaceous vegetation

in old field

glan willow - 1 hr Zone B

3 foliage len brown



B. Reubel

8/10 B. rel

— ۲۷ —

Girch 200 A

~~3 to 10~~

system 1b

up. stock 1" 1b

up to 3" lb

whether

gleiten? los von  
Grund

I know  
and I will be

27/30 fig

Faktor 511

25.05.20

Brambling ↗

8/10 Aok / 25 m

 $1g1 \times 2$ 

1. 1. 1.

~~1. 1. 2~~

File for glass needles

Crj 2 in Adh

B 1 cm 2 density

R.T flycatcher g

8 M up 12 ~~50~~  
20

か

no to crying

General body

R.T. ~~to~~ R. h. r. l. d

B-625 12/4 m

2.  $\sim B$  3.  $\text{false}$

~~glue~~ for needles



♂ Brn W  
upward stick  
spruce  
12/25m

↓  
Ash glib  
rock down slight  
large p. 111

Sleek fir

B 2 droshy  
lum

large 2nd fir

7/5 Hike To Bay

In Bay behind Fisher -  
True Pop. to.

2 Bl. fir in fir -



♂ Brn W  
upward stick  
spruce  
12/25m  
↓  
Aot glib

7/5 Hike To Bay

In Bay behind Fisher  
Tree Pop. to

2 Bullh in fir-

Roughly 17/25 fir in forage

~~Chaff. Pr Bullh~~

27/30m fir

branch glen 1/2m

2ae B  
3 fly U

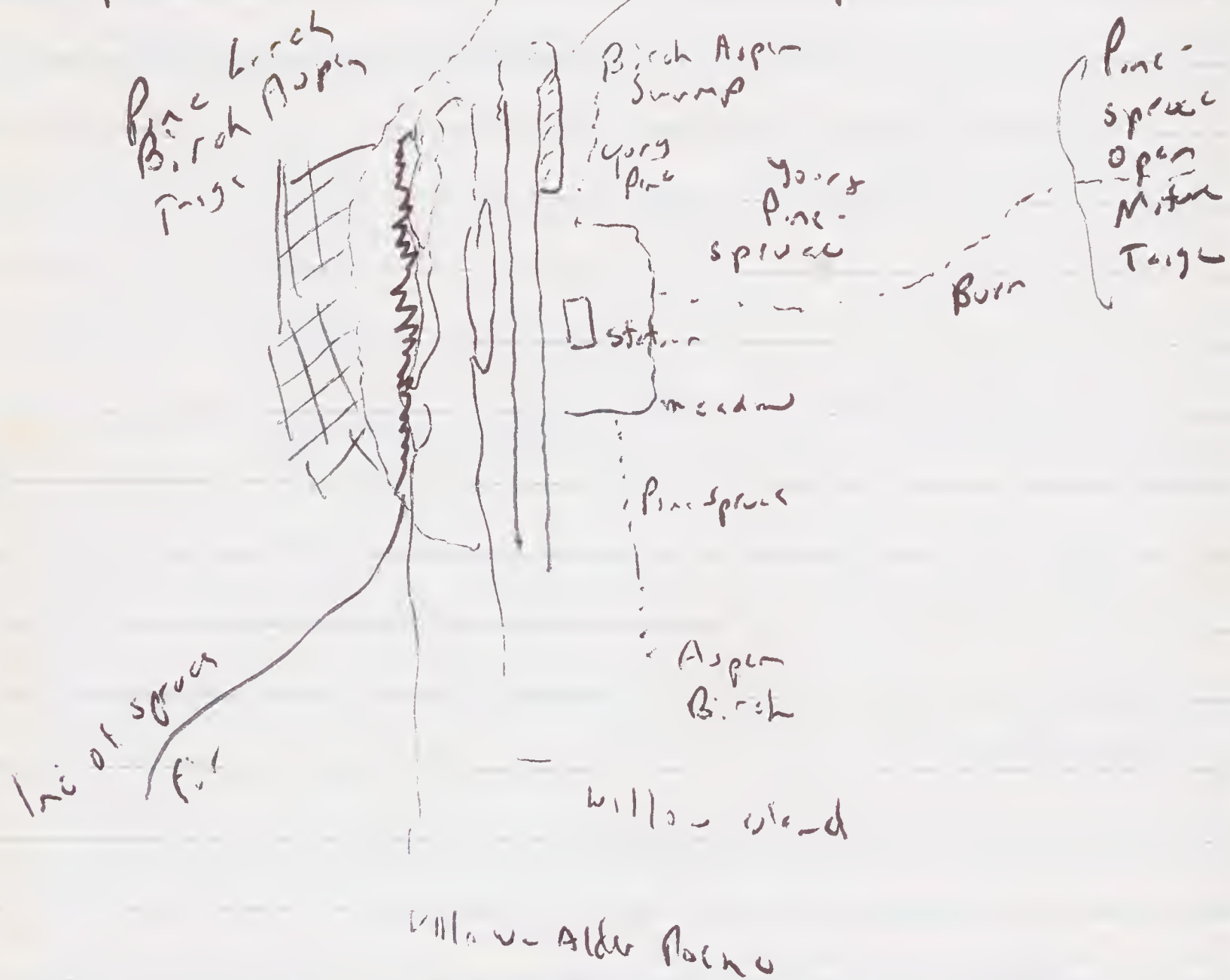


# Site Gazetteer

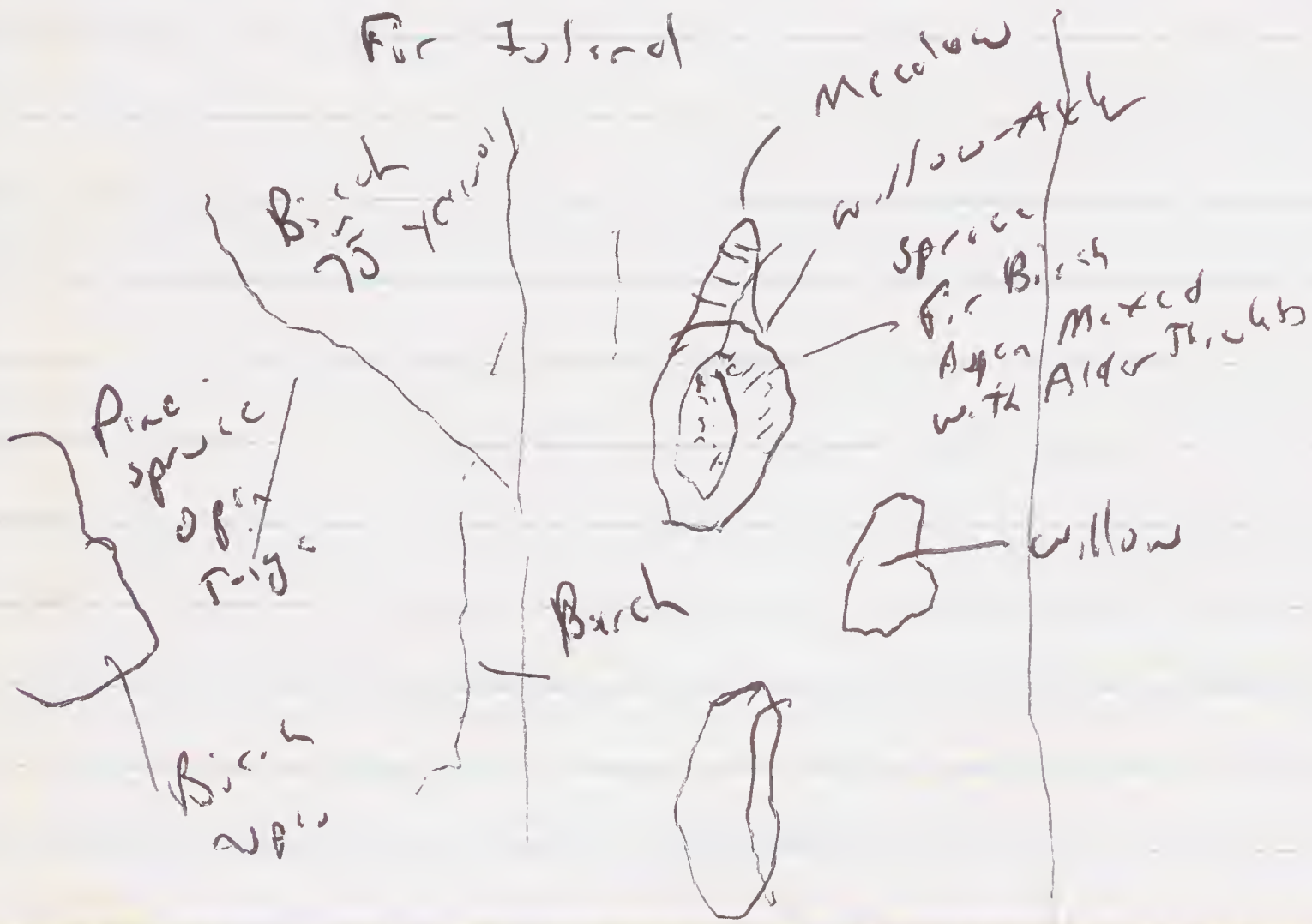
Mymoe

Pseudo Poema

(93)



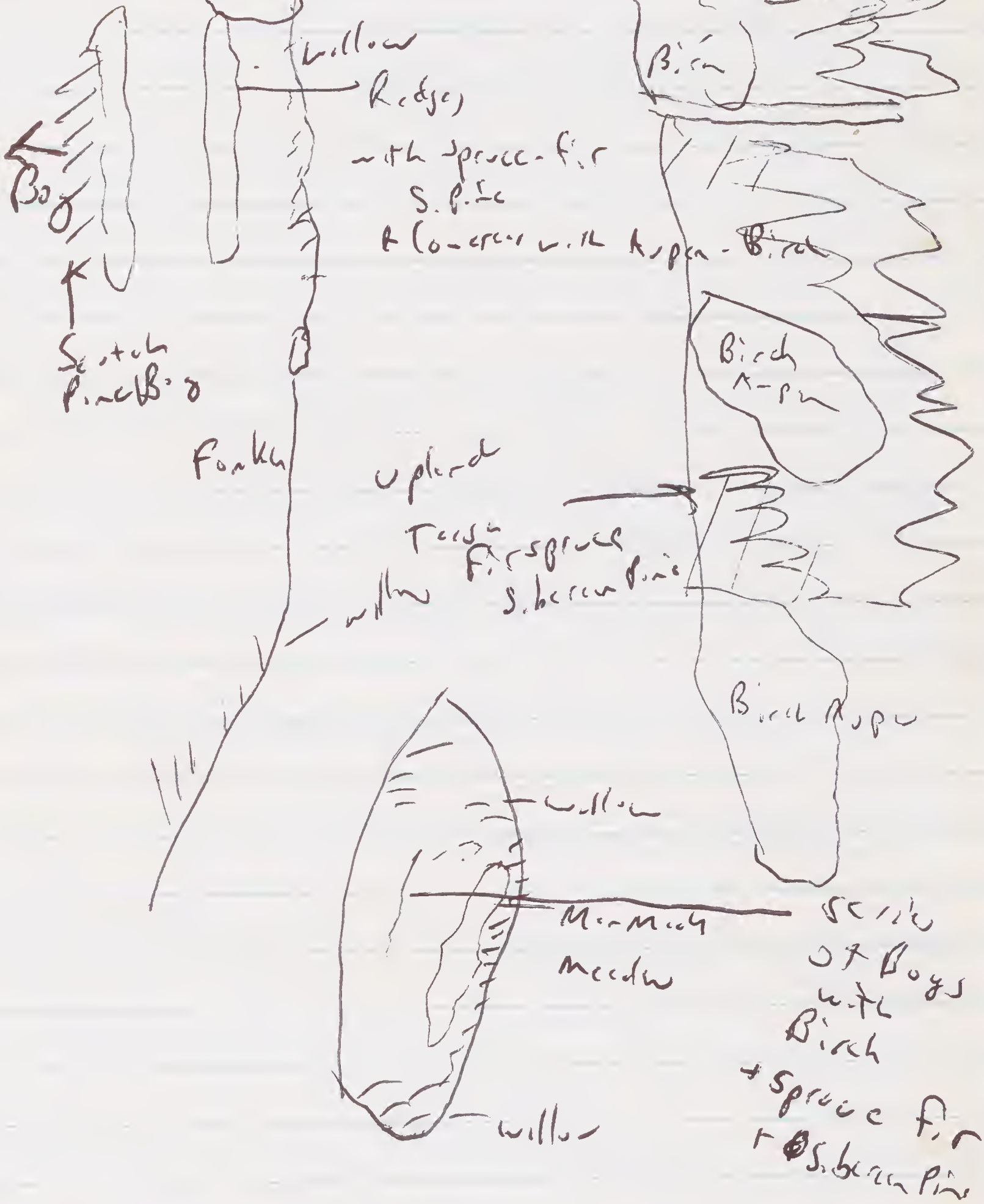
Fir Island



(94)

III

P. Lake Meadow





3 views of following  
birds in space for forest

① set or  
specialist

② generalist with specialists added

③ grasses, at generalist (Richard)

Because flight is easy explainable  
e.g. as less morphological  
specialization (Gardner)

1 + 3 not necessarily interchangeable

2 views of birds

1) generalist

2) one part of generalist

chiffchaff singing from  
low branches of  
2 firs

6/12/72

chiffchaff ♂ 9/11/72

chiffchaff ♂ 3 x 0.3m  
got 11/12/72  
1b 1m 1b

Zone B 21/12/72

S Brubly Brown in

Bird (2m) 3m  
from bank

top of Hgt  
2 foliage

2 B

---

Seed  
Coul. Tit song coming at fir

---

had Bullfinch from (coming at fir)

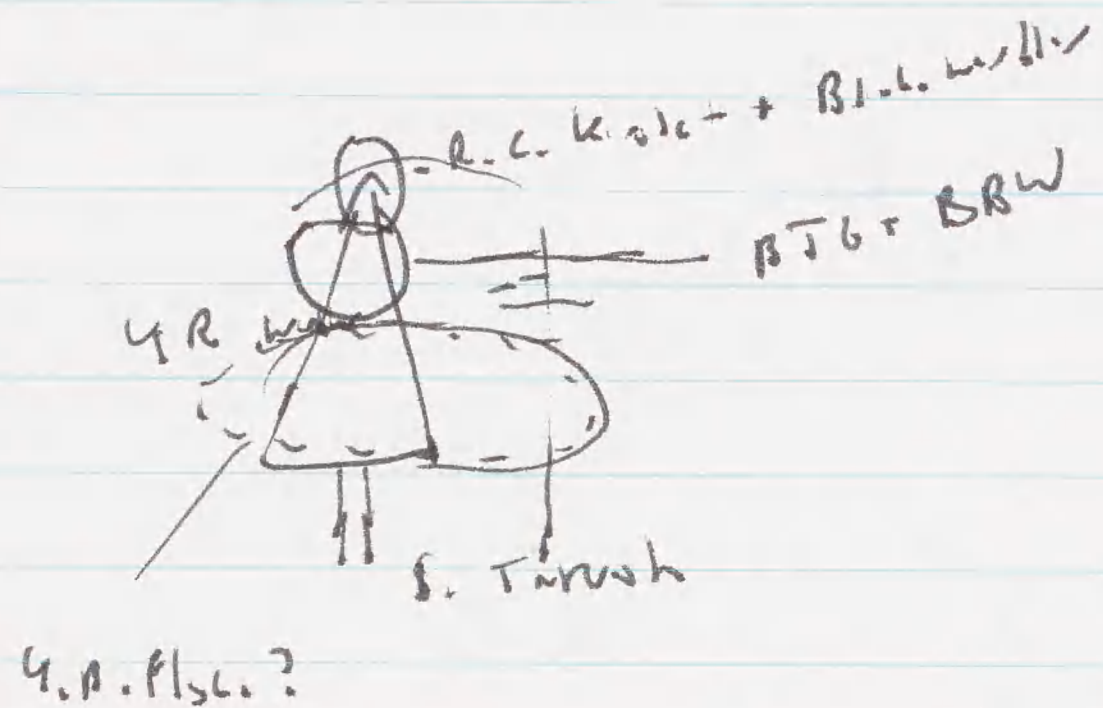
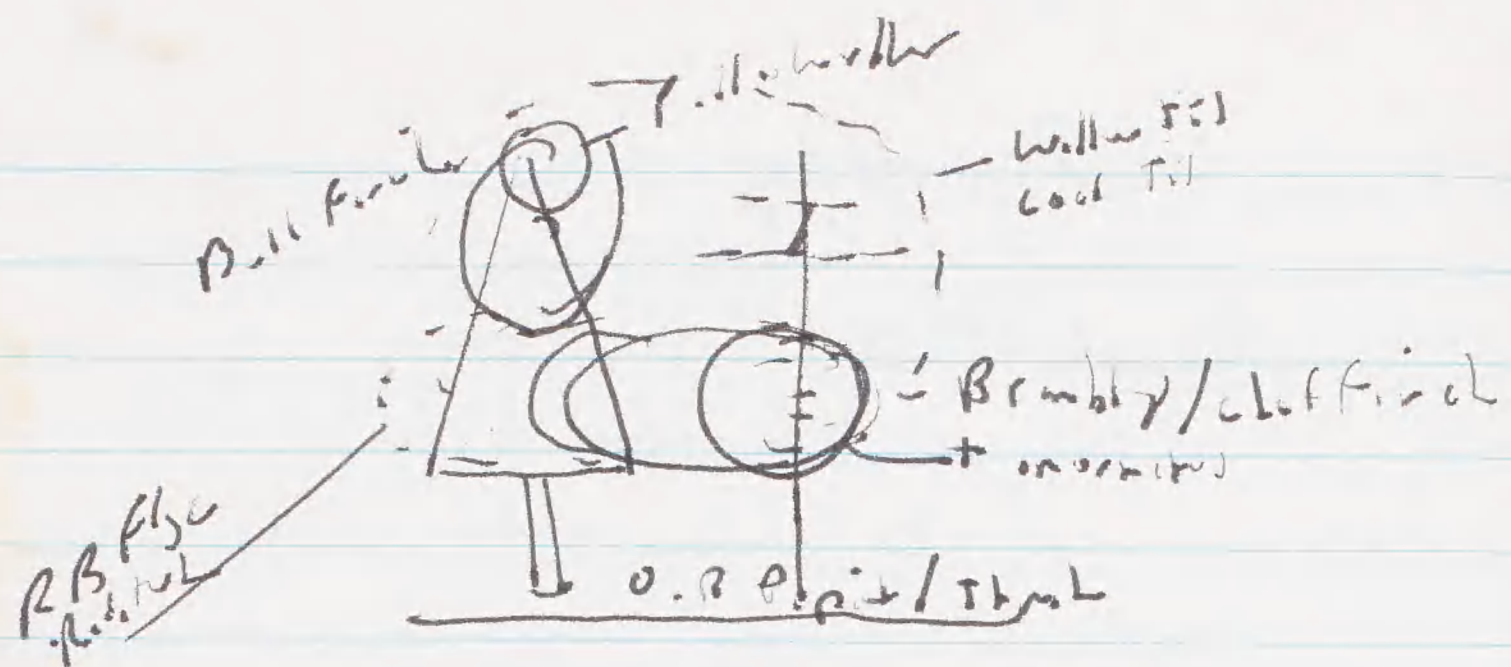
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Brubly ♂ 23/25 Pr

glow wings

3 derry C 20/12





Need in particular  
ch. ff-chaff

Arctic Warbler

Bl. ph. Reed Warbler

Cool Tit

Brambling

Red-throated Flycatcher

Bullfinch



Krasnoyarsk - Nature Reserve  
walked up Rd to Zoo + Res. center  
fine forest on hills, dense stream  
Birch, fir & spruce

Lots of dwarf birch

{ 2 pr Bullfinch (Gray)  
glossy black blue & ochreous }

Red-bellied Warbler

S. Blue Robin

Lots of Great Tits

Coal Tits

Goldcrest

Nuthatch

D. h. Bunting

Ch. Thrush

Greenish Warbler

W. Tit

L. W. Titmouse

S. P. Titmouse

R. T. Robin

Osprey sparrow



Plan  
June 16

Fir forest

30 poems

17

Fir forest

40 Fir forest

18

"

40 upland 1/2

20 poems

Fir 12

40, 20

✓

Poems 15

Plants - 28

Plants 40

Glean → glean  
→ Reach up  
→ Reach down

to leap

hover

lunge

flutter chase

aerial

hang up

down

side

upside

aerobatic



S. blue flycatcher

- Pewee?

Tanager

Yellow-capped warbler

P. n. warbler

at ch. warbler

Pills' warbler

R. C. warbler

Insectivore

E. brown Thrush

Robin

Arctic warbler

Wilson's warbler

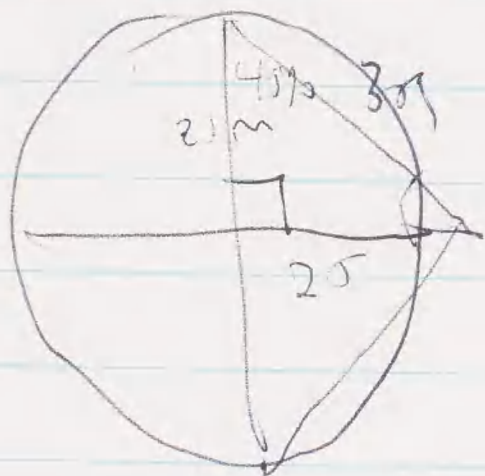
L. White-throat

Songbird

Chiffchaff

Brambling

P. Finch



2.5

Small Mammals - 1st - 8-10-2

Remains

water, or richness

30 pts (8 hrs)

8 yrs

plot can where species are

all years (checked)

little work w/ 2 species



- Song - loud & "ringing"

- nest

- morphology

- clutch size

4. population biology

5. overall restriction  
to boreal forest

C  
Greenish Warbler

Moss

Siberian Fly

Empidonax

R. B. Fly

L. T. Fly

7/13 - 7/15 travel

7/15 - 7/18 Bldg 1 4-5 dgs

7/20 Fences (2 weeks)

- Time spent with  
hibernators

- Name & Address



P. frontalis ?  
f. inornatus ✓

T. capensis M?

P. Monticola VIO

P. Ater -

M. arborea W

M. parva -

~~P. ...~~

~~P. ...~~

P. ... ✓

~~P. ...~~

Cull. ... ✓

Tubo ...

~~...~~

... sheet

- Weather Date

- Plot Date

- Pipes in ...

- Publications in ...

N. ...

- ...

Anterior: Sol. ...  
G. ...  
B. ...  
M. ...  
R. ...  
Y. ...  
R. ...

Coc-Thro ...

Bird plant type

Tree Bird height

Tree height

Y. ...

Date

branch diameter

Sec. of observation

foraging ...

Type ...

identifiable ...

Substrate

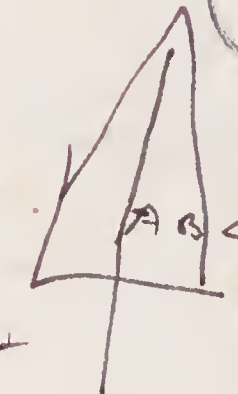
6 ...

... 0/12

... ③, A ④ ...

... ③ B

...





11-11-11

11-11-11

11-11-11

661-11-11-11

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